



SPACE CYBERSECURITY WEEKLY WATCH

Week 46

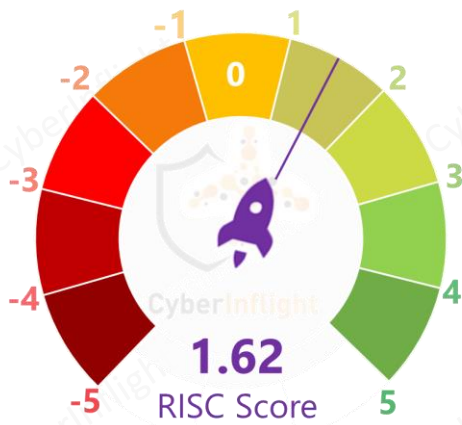
November 12 - 18, 2024

Timeframe: Weekly
of articles identified: 20
Est. time to read: 45 minutes

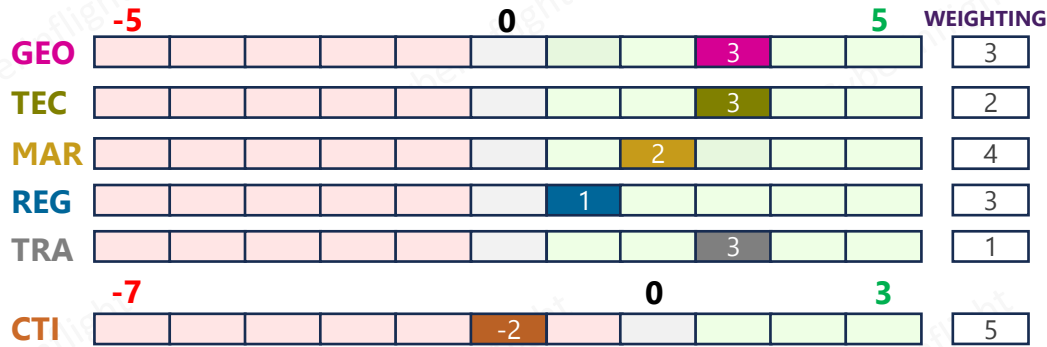
Articles, company's communications, whitepapers, academic works, podcast, and sources not to be missed on the topic of space cybersecurity over a specified timeframe.

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

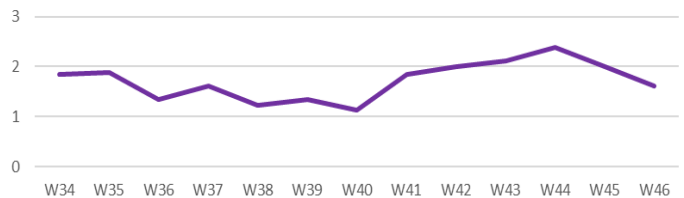
RISC Score Assessment



Overview & Resilience Index for Space Cybersecurity (RISC)



RISC Score Evolution



This week's RISC score is 1.62, reflecting a decrease from last week. This decline is attributed to the easing of geopolitical tensions and less regulation making headlines.

This week, CyberInflight had the honor of participating in the RTNC (CNES Technical and Digital Meetings) and the COMET CYB (Cybersecurity), both organized by the CNES, in Toulouse. On the geopolitical front, during a recent talk at the Institute for Defence Studies and Analyses (IDSA), India's Defence Minister emphasized the critical role of space-based technologies in enhancing intelligence, surveillance, and reconnaissance (ISR) capabilities. On the market front, the US Space Force (USSF) is exploring follow-on support for its Wideband Global SATCOM (WGS) and Defense Satellite Communications System (DSCS) as part of the COSMOS Project. The SpOC Delta 8, tasked with satellite operations, is leading efforts to ensure these vital communication systems remain operational and resilient. On the threat intel side, Australia's critical infrastructure is increasingly vulnerable to cyberattacks, according to a detailed risk review. The report highlights the urgent need for robust cybersecurity strategies to mitigate operational disruptions and protect national infrastructure. On the regulatory front, Vietnam's Authority of Information Security is collaborating with the US Cybersecurity and Infrastructure Security Agency (CISA) to enhance critical infrastructure protection. The partnership aims to strengthen cybersecurity resilience through knowledge sharing, training, and joint response strategies. Lastly, India has launched its first space-focused military exercise, "Antariksha Abhyas," involving ISRO, DRDO, and the Indian Armed Forces. This exercise aims to enhance space situational awareness and operational readiness in defending national assets in orbit. Participants will simulate real-world scenarios, including satellite protection and counter-space operations.

CYBERINFLIGHT'S NEWS



CyberInflight was present at RTNC & COMET CYB

CyberInflight had the honor of participating in the RTNC (CNES Technical and Digital Meetings) and the COMET CYB (Cybersecurity), both organized by the Centre National d'Études Spatiales, in Toulouse. On the program were presentations, conferences, and times of exchange between professionals in the sector to increase general awareness of safety. **#SpaceCybersecurity #CNES**

Link: https://www.linkedin.com/posts/cyberinflight_retour-en-images-sur-les-rtnc-et-le-comet-activity-7264273134759952384-VbHD?utm_source=share&utm_medium=member_desktop



GEOPOLITICS

China's military space ambitions

China's military space ambitions are growing, with the country's space program expanding its capabilities in intelligence, surveillance, and reconnaissance (ISR) capabilities. The military is investing heavily in space-based technologies to enhance its operational effectiveness and to ensure the security of its space assets. This includes the development of advanced satellite systems and the integration of space capabilities into its military operations. The military is also focusing on the development of space-based cyber capabilities to protect its space assets from cyber threats.



India strengthens space cybersecurity for national defense

During a recent talk at the Institute for Defence Studies and Analyses (IDSA), India's Defence Minister emphasized the critical role of space-based technologies in enhancing intelligence, surveillance, and reconnaissance (ISR) capabilities. He also underlined the importance of robust cybersecurity frameworks to safeguard national space assets from evolving cyber threats. The minister called for greater collaboration between defense agencies, ISRO, and private players to innovate and secure India's space infrastructure, vital for communication, defense, and economic resilience. **#India #IDSA**



Link: <https://opengovasia.com/2024/11/13/india-leveraging-digital-technologies-for-national-security/>

MARKET & COMPETITION

Germany's space technology sector grows

Germany's space technology sector is growing, with the country's space program expanding its capabilities in intelligence, surveillance, and reconnaissance (ISR) capabilities. The military is investing heavily in space-based technologies to enhance its operational effectiveness and to ensure the security of its space assets. This includes the development of advanced satellite systems and the integration of space capabilities into its military operations. The military is also focusing on the development of space-based cyber capabilities to protect its space assets from cyber threats.



US Space Force explores support for WGS & DSCS Systems

US Space Force (USSF) is exploring follow-on support for its Wideband Global SATCOM (WGS) and Defense Satellite Communications System (DSCS) as part of the COSMOS Project. SpOC Delta 8, tasked with satellite operations, is leading efforts to ensure these vital communication systems remain operational and resilient. The initiative reflects the USSF's commitment to strengthening its SATCOM capabilities to meet the demands of modern military operations and counter emerging threats in the contested space domain. **#USSF #SATCOM**



Link: <https://www.satellitetoday.com/government-military/2024/11/11/us-space-force-examining-follow-on-support-for-wgs-and-dscs/>

TECHNOLOGY

How Many USMC Communications Satellites Will Be in Orbit by 2030?

The US Marine Corps is planning to launch a constellation of communications satellites by 2030. The program will include the USMC's first communications satellite in orbit by 2025. The program will include the USMC's first communications satellite in orbit by 2025. The program will include the USMC's first communications satellite in orbit by 2025.



Link: [https://www.marines.mil/News/News-Events/News-Stories/2024/11/12/us-marine-corps-plans-to-launch-first-communications-satellite-in-orbit-by-2025/](#)

USMC to Launch 100th USMC Signal Battalion

The US Marine Corps is planning to launch the 100th USMC Signal Battalion. The battalion will be the first of its kind and will be responsible for providing communications support to the USMC's operations in the Pacific region.



Link: [https://www.marines.mil/News/News-Events/News-Stories/2024/11/12/us-marine-corps-plans-to-launch-100th-usmc-signal-battalion/](#)

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TRAINING & EDUCATION

★ USSF launches wideband SATCOM training program in Maryland

US Space Force has initiated a specialized Wideband SATCOM operations training program in Maryland to prepare personnel for managing next-generation satellite communication systems. The training addresses the need for skilled operators capable of navigating advanced SATCOM technologies amid evolving space challenges. This program reflects the USSF's emphasis on workforce readiness and operational excellence, aligning with broader efforts to maintain leadership in space capabilities. #SATCOM #USSF



Link: https://thedefensepost.com/2024/11/15/us-satcom-training-maryland/?utm_source=rss&utm_medium=rss&utm_campaign=us-satcom-training-Maryland



TRAINING & EDUCATION

...with capabilities to detect, identify, communicate with, and control space systems and infrastructure.

...The exercise will focus on enhancing the ability to detect, identify, and communicate with space systems and infrastructure. The exercise will also focus on enhancing the ability to detect, identify, and communicate with space systems and infrastructure. The exercise will also focus on enhancing the ability to detect, identify, and communicate with space systems and infrastructure.

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India's first-ever space exercise "Antariksha Abhyas" begins

India has launched its first space-focused military exercise, "Antariksha Abhyas," involving ISRO, DRDO, and the Indian Armed Forces. This exercise aims to enhance space situational awareness and operational readiness in defending national assets in orbit. Participants will simulate real-world scenarios, including satellite protection and counter-space operations. The event underscores India's commitment to strengthening its space defense capabilities amid rising global militarization of space. **#SpaceDefense #AntarikshaAbhyas**



Link: <https://idrw.org/indias-first-ever-space-exercise-antariksha-abhyas-begins-in-delhi/>

REGULATION



Vietnam partners with CISA for critical infrastructure protection

Vietnam's Authority of Information Security is collaborating with the US Cybersecurity and Infrastructure Security Agency (CISA) to enhance critical infrastructure protection. The partnership aims to strengthen cybersecurity resilience through knowledge sharing, training, and joint response strategies. Vietnam, facing rising cyberattacks on essential services, views this collaboration as pivotal in improving its national cyber defenses. The agreement also reflects growing global cooperation in addressing shared cyber threats. **#CriticalInfra #CyberResilience**



Link: <https://thecyberexpress.com/vietnam-authority-of-information-security-cisa/>

THREAT INTELLIGENCE



Australian critical infrastructure faced heightened cyberthreats in 2024: report

Australia's critical infrastructure is increasingly vulnerable to cyberattacks, according to a detailed risk review. Essential services such as energy, water, and transport are at heightened risk due to the growing sophistication of cyber threats. The report highlights the urgent need for robust cybersecurity strategies to mitigate operational disruptions and protect national infrastructure. It calls for greater collaboration between public and private sectors to address these risks proactively. **#Australia #CriticalInfra**



Link: <https://thecyberexpress.com/critical-infrastructure-annual-risk-review/>

Report: Australia's critical infrastructure security threat

The report, titled 'Australia's Critical Infrastructure Security Threat', provides a comprehensive overview of the current and projected risks to Australia's critical infrastructure. It identifies key sectors such as energy, water, and transport as being particularly vulnerable. The report also discusses the need for a coordinated response between the government and the private sector to enhance the resilience of these systems.

Link: [https://thecyberexpress.com/critical-infrastructure-annual-risk-review/](#)

North Korea expands ICBM jamming capabilities

North Korea has expanded its ICBM jamming capabilities, according to a new report. The report highlights the use of advanced jamming technology to disrupt satellite communications and GPS signals. This poses a significant threat to global navigation and communication systems.



Link: [https://thecyberexpress.com/critical-infrastructure-annual-risk-review/](#)

Russia expands satellite jamming capabilities

Russia has expanded its satellite jamming capabilities, according to a new report. The report highlights the use of advanced jamming technology to disrupt satellite communications and GPS signals. This poses a significant threat to global navigation and communication systems.



Link: [https://thecyberexpress.com/critical-infrastructure-annual-risk-review/](#)

Russia targets Ukraine power grid using satellite jamming

Russia has targeted Ukraine's power grid using satellite jamming, according to a new report. The report highlights the use of advanced jamming technology to disrupt satellite communications and GPS signals. This poses a significant threat to global navigation and communication systems.



Link: [https://thecyberexpress.com/critical-infrastructure-annual-risk-review/](#)

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.
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