SPACE CYBERSECURITY WEEKLY WATCH

Week 36

September 3 - 9, 2024

Timeframe : Weekly

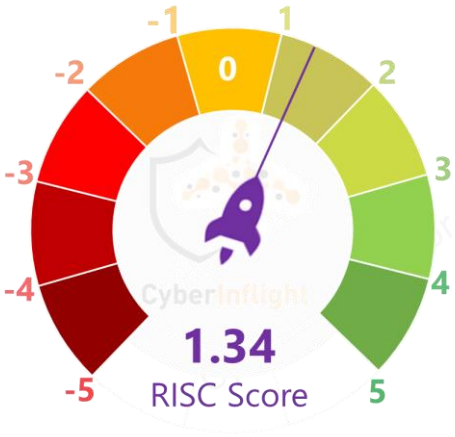
# of articles identified : 33

Est. time to read : 45 minutes

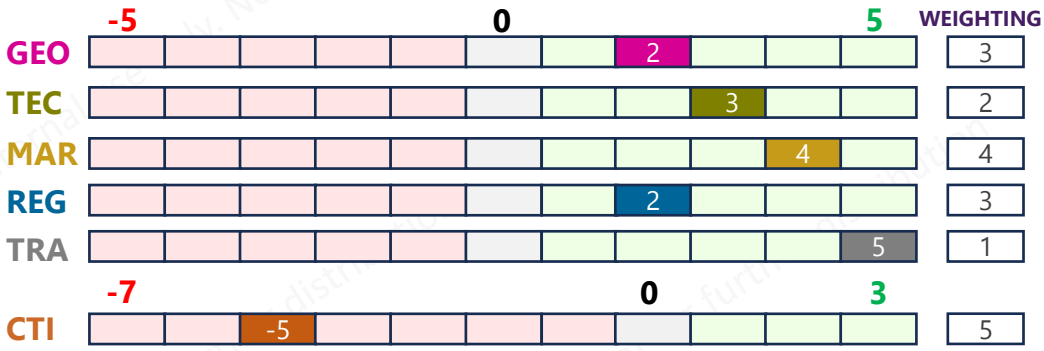
Articles, company's communications, whitepapers, academic works, podcast, and sources not to be missed on the topic of space cybersecurity over a specified timeframe.

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

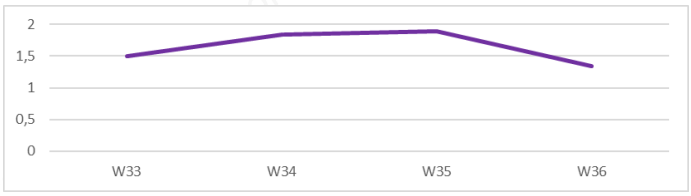
RISC Score Assesment



Overview & Resilience Index for Space Cybersecurity (RISC)



RISC Score Evolution



This week's RISC score is 1.34, a decrease from last week, mainly due to a high-threat climate.

On the geopolitical front, according to an internal investigation obtained by Navy Times, the senior enlisted leaders among the US littoral combat ship Manchester's gold crew installed and secretly used their very own Wi-Fi network during a deployment last year. On the technological side, EUSPA has completed the testing of the Galileo Open Service Navigation Message Authentication (OSNMA) and is now gearing up for its operational launch. On the market front, Applied Dynamics International (ADI) announced the successful completion of a major project to modernize the National Oceanic and Atmospheric Administration's (NOAA) satellite emulator systems. This project sets a new benchmark for cybersecurity and operational longevity in mission-critical satellite systems. On the regulatory front, an article about the proposed Spacecraft Cybersecurity Act has been published. If passed, the legislation would mandate NASA to overhaul the way it procures and builds its spacecraft. On the threat intel side, in a joint advisory released by the FBI, the CISA, and NSA, it was revealed that the Russian GRU hackers, often junior officers from GRU's 161st Specialist Training Center, have been involved in cyber sabotage since 2020. These officers are accused of conducting cyber operations that have harmed critical US infrastructure, with particular emphasis on energy, government, and aerospace sectors. Lastly, on Tuesday September 10 in Brussels, ONERA - The French Aerospace Lab, with the support of the Permanent Representation of France to the European Union, is organizing a conference on strengthening the competitiveness and defense of the European Union. The event will focus on the role of dual-use technologies and their importance for competitiveness and strategic autonomy.

GEOPOLITICS

[redacted]

How Navy chiefs conspired to get themselves illegal warship Wi-Fi

For a variety of reasons, including operational security, a crew's internet access is regularly restricted while underway, to preserve bandwidth for the mission and to keep their ship safe from nefarious online attacks. But the senior enlisted leaders among the littoral combat ship Manchester's gold crew knew no such privation last year, when they installed and secretly used their very own Wi-Fi network during a deployment, according to a scathing internal investigation obtained by Navy Times. **#USSF #Starlink**

Link: https://www.navytimes.com/news/your-navy/2024/09/03/how-navy-chiefs-conspired-to-get-themselves-illegal-warship-wi-fi/

[redacted]

[redacted]

TECHNOLOGY

Galileo is getting ready for the upcoming OSNMA operational declaration

The European Union Agency for the Space Programme (EUSPA) has completed the testing of the Galileo Open Service Navigation Message Authentication (OSNMA) and is now gearing up for its operational launch. Access and knowledge to perform spoofing attacks are increasing, resulting in disruption or denial incidents being more frequently observed. The Galileo Programme has therefore developed and integrated an Open Service Navigation Message Authentication (OSNMA) capability into the Galileo infrastructure and operations. **#Galileo #OSNMA**

Link: https://www.euspa.europa.eu/newsroom-events/news/galileo-getting-ready-upcoming-osnma

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MARKET & COMPETITION

Viasat awarded potential $153m BFT network services contract by DISA

"Viasat is honored to continue its history of providing support for the global L-Band BFT network and systems, and the continued modernization of how critical situational awareness is made available across the tactical edge at scale," said David Schmolke, Vice President of Mission Connections and Cybersecurity Department at Viasat. **#Contract #DISA**

Link: https://news.satnews.com/2024/09/05/viasat-awarded-potential-million-bft-network-services-contract-by-disa/

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ADI completes successful modernization of NOAA satellite emulators

Applied Dynamics International (ADI), a global leader in industrial computing and connectivity, announced the successful completion of a major project to modernize the National Oceanic and Atmospheric Administration's (NOAA) satellite emulator systems. This project sets a new benchmark for cybersecurity and operational longevity in mission-critical satellite systems. **#NOAA #Compliance**

Link: https://finance.yahoo.com/news/adi-completes-successful-modernization-noaa-130000005.html

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REGULATION

NASA science mission spacecraft are at risk from hackers, but a new law could help protect them

NASA missions are prime targets for cyberattacks. In a move to counter the escalating threat of these attacks, U.S. congressmen Maxwell Alejandro Frost and Don Beyer have proposed the Spacecraft Cybersecurity Act. If passed, the legislation would mandate NASA to overhaul the way it procures and builds its spacecraft. **#NASA #ProtectingSpace**

Link: https://www.space.com/nasa-science-missions-at-risk-from-hackers-new-law-could-protect

[redacted]

TRAINING & EDUCATION

Renforcer la compétitivité et la défense de l'Union européenne (*Trad. Strengthening the competitiveness and defense of the European Union)*

On Tuesday September 10 in Brussels, ONERA - The French Aerospace Lab, with the support of the Permanent Representation of France to the European Union, is organizing a conference on strengthening the competitiveness and defense of the European Union. The event will focus on the role of dual-use technologies in space, and their importance for competitiveness and strategic autonomy. **#Security #Europe**

Link: https://www.linkedin.com/posts/laurent-leylekian_mardi-10-septembre-%C3%A0-bruxelles-lonera-activity-7237070255880085504-m0S4?utm_source=share&utm_medium=member_desktop

TRAINING & EDUCATION

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THREAT INTELLIGENCE

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★ **Russian Cyber Unit 29155 exposed: targeting NATO and allied nations**

In a joint advisory released by the Federal Bureau of Investigation (FBI), the Cybersecurity and Infrastructure Security Agency (CISA), and National Security Agency (NSA), it was revealed that the GRU hackers, often junior officers from GRU's 161st Specialist Training Center, have been involved in cyber sabotage since 2020. These officers are accused of carrying out cyber operations that have harmed critical US infrastructure, with particular emphasis on energy, government, and aerospace sectors. **#Russia #CriticalInfra**

Link: https://thecyberexpress.com/russian-cyber-unit-29155-exposed/

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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