SPACE CYBERSECURITY WEEKLY WATCH

Week 32

August 6 – 12, 2024

Timeframe : Weekly

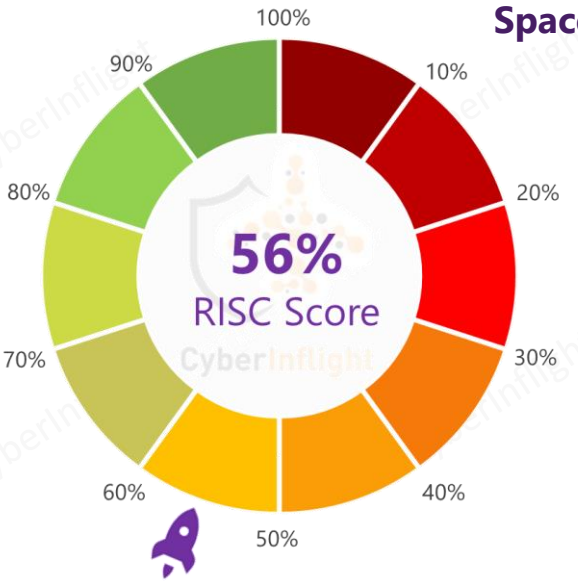
# of articles identified : 30

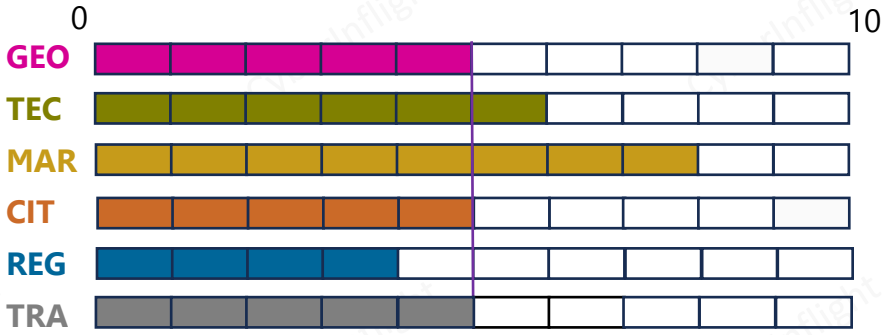
Est. time to read : 45 minutes

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
- THREAT INTELLIGENCE
- REGULATION
- TRAINING & EDUCATION
- IMPORTANT NEWS

Overview & Resilience Index for Space Cybersecurity (RISC)





A decrease of 1 percentage point from last week (from 57% to 56%)

RISC Score Evolution

After struggling to recover since the drop from W18 and finally rising on W28, the RISC score (the tool used to assess cybersecurity resilience in space) drops this week.

This week's RISC score is 56%. On the geopolitical front, plans for a network of radars tracking deep space activity to help protect the UK from 'space warfare' are to go ahead in Pembrokeshire. The 27 radar dishes planned for the St Davids peninsula are part of a network planned around the globe. On the technological side, A team of researchers has developed a technology capable of storing information within a cloud of atoms, together with society Infleqtion, researchers from NASA's Glenn Research Center in Cleveland they produced the first quantum memory of the Star and Striped Space Agency. On the market front, General Atomics Electromagnetic Systems (GA-EMS) has revealed that the US Space Force Space Systems Command has awarded the company Phase 1 of the Enterprise Space Terminal (EST) program. On the threat Intel part, The Iran army has opened a state-of-the-art electronic warfare center in the East of Iran equipped with a defense system. On the regulatory front, while EU member states must introduce the Network and Information Systems Directive 2022 (NIS2) into their national law by October 2024, not all appear ready to meet this deadline. This directive imposes ten security measures intended to strengthen the cyber resilience of critical infrastructure, including business continuity management, cyber risk management, supply chain security, and training and education. Lastly, to learn about the threat of jamming and spoofing to commercial and civilian applications and the technologies and techniques available to mitigate the impact of attacks join Spirent's free webinar

GEOPOLITICS

Deep space radar site in Wales to go ahead to protect UK from 'space warfare'

Plans for a network of radars tracking deep space activity to help protect the UK from 'space warfare' are to go ahead in Pembrokeshire. The 27 radar dishes planned for the St Davids peninsula are part of a network planned around the globe. The Deep Space advanced Radar Capability (DARC) will be developed at Cawdor barracks in South-West Wales by the Ministry of Defense. **#SpaceWarfare #Radar**

Link: https://www.theguardian.com/politics/article/2024/aug/08/plans-deep-space-radar-site-wales-go-ahead

TECHNOLOGY

Quantum memory, NASA invests in space communications security

A team of researchers has developed a technology capable of storing information within a cloud of atoms. Together with society Infleqtion, researchers from NASA's Glenn Research Center in Cleveland they produced the first quantum memory of the Star and Striped Space Agency. This technology is NASA's first step towards creating a large-scale quantum network that can lead to safer spatial communications and possibly new scientific discoveries.

#NASA #QuantumMemory

Link:https://www.spaceconomy360.it/telecomunicazioni-satellitari/quantum-memory-la-nasa-investe-sulla-sicurezza-delle-comunicazioni-spaziali/

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MARKET & COMPETITION

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General Atomics awarded USSF contract for Phase 1 of the Enterprise Space Terminal program

General Atomics Electromagnetic Systems (GA-EMS) has revealed that the US Space Force Space Systems Command has awarded the company Phase 1 of the enterprise Space Terminal (EST) program. This EST program will increase the mission effectiveness of future DoD platforms by providing a mesh laser communication network for resilient, high-capacity communications paths for spacecraft in and beyond LEO orbits regimes at crosslink ranges up to 80,000 km.
#GeneralAtomics #USSF
Link: https://news.satnews.com/2024/08/06/general-atomics-awarded-ussf-contract-for-phase-1-of-the-enterprise-space-terminal-program/

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THREAT INTELLIGENCE

Iran army inaugurates radar jamming center

The Iran army has opened a state-of-the-art electronic warfare center in the East of Iran equipped with a defense system. The military experts of the army are making their utmost efforts to leverage all capabilities to improve the combat readiness and operational power of their forces. **#EW #JammingCenter**

Link: https://en.mehrnews.com/news/219085/Iran-army-inaugurates-radar-jamming-center

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REGULATION

NIS2 directive in the EU: an imminent deadline, insufficient preparation

While EU member states must introduce the Network and Information Systems Directive 2022 (NIS2) into their national law by October 2024, not all appear ready to meet this deadline. This directive imposes ten security measures intended to strengthen the cyber resilience of critical infrastructure, including business continuity management, cyber risk management, supply chain security, and training and education. Some European countries have already transposed the text, but others announced they will implement this directive at the beginning of 2025. Germany, for its part, will very unlikely meet the deadline. These variations have left many organizations struggling to understand the directive and its various implementations across the EU. **#NIS2 #EU**

Link: https://www.itsecurityguru.org/2024/08/08/nis2-directive-in-the-eu-an-imminent-deadline-insufficient-preparation/

TRAINING & EDUCATION

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Safeguarding GNSS: combatting jamming and spoofing

Join Spirent's free webinar on Thursday 15th August, 3:30pm EDT, to learn about the threat of jamming and spoofing to commercial and civilian applications and the technologies and techniques available to mitigate the impact of attacks. Spirent Director, PNT Simulation, Ajay Vemuru will present this webinar. **#Webinar #GNSS**

Link: https://www.spirent.com/events/safeguarding-gnss-combatting-jamming-and-spoofing

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