SPACE CYBERSECURITY WEEKLY WATCH

Week 31

July 30 – August 5, 2024

Timeframe : Weekly

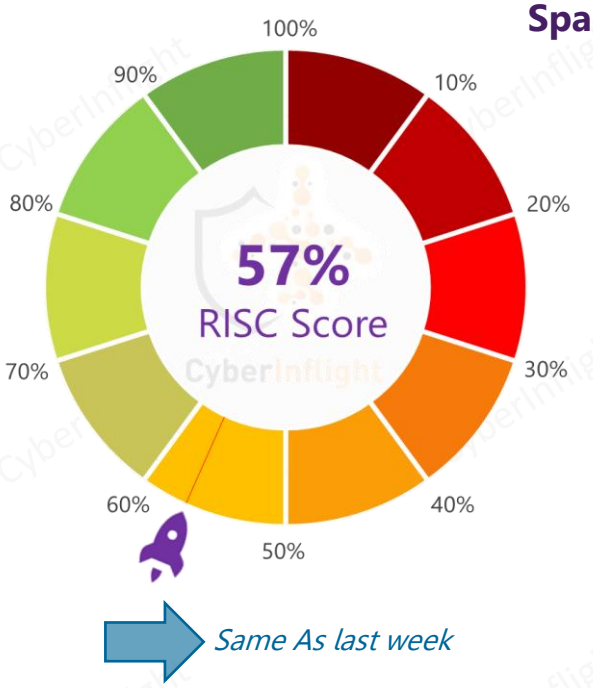
# of articles identified : 36

Est. time to read : 75 minutes

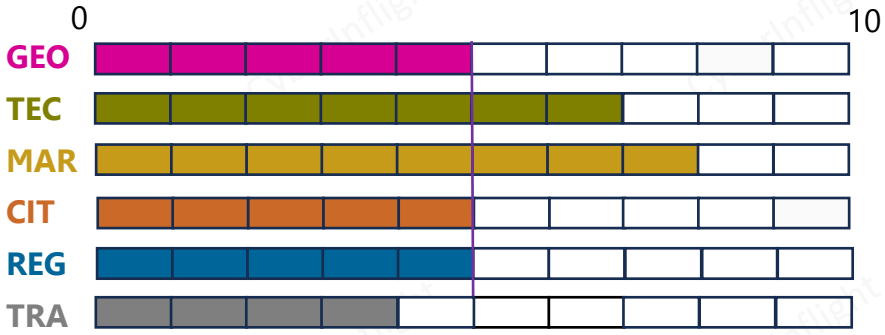
Articles, company's communications, whitepapers, academic works, podcast, and sources not to be missed on the topic of space cybersecurity over a specified timeframe.

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

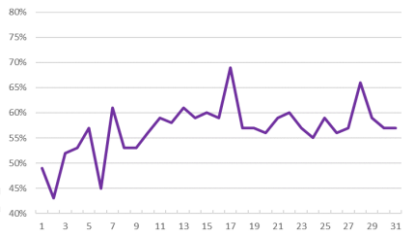
Overview & Resilience Index for Space Cybersecurity (RISC)



Same As last week



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) appears to be constant this week.

This week's RISC score is 57%. On the geopolitical front, the UK Space Command has hosted its inaugural space wargame, "Space Warrior", at the Defense Experimentation and Wargaming Hub in Southwick Park, Hampshire. The exercise aimed to integrate commercial space-based Intelligence, Surveillance, and Reconnaissance (ISR) with the UK's defense capabilities. On the technological side, oneNav has announced that its L5 signals are immune to jamming, representing a significant advancement in satellite navigation technology. This breakthrough promises greater reliability for critical applications, particularly in environments where signal interference can pose serious risks. On the market front, Intelsat and Levira, an Estonian-based company specializing in media distribution, management, production, and connectivity services, are joining forces to deliver high-throughput satellite service aimed at bolstering critical network connectivity for European businesses. On the regulatory front, The NIS2 and DORA regulations set the standards for cybersecurity and operational resilience to understand what these regulations entail, who they impact, and how your organization can ensure compliance. Lastly as interest in lunar exploration and cislunar activities expands, so does the need for tailored cybersecurity measures, a informative read which on unique challenges such as communication delays and spacecraft vulnerabilities, stressing the importance of developing specialized strategies to protect space missions from cyber threats.

GEOPOLITICS

Britain hosts first space wargame

UK Space Command has hosted its inaugural space wargame, "Space Warrior", at the Defense Experimentation and Wargaming Hub in Southwick Park, Hampshire. The exercise aimed to integrate commercial space-based Intelligence, Surveillance, and Reconnaissance (ISR) with the UK's defense capabilities. **#UKSpaceCommand #SpaceWarrior**

Link: https://ukdefencejournal.org.uk/britain-hosts-first-space-wargame/

TECHNOLOGY

oneNav claims jamming immunity for L5 signals

oneNav has announced that its L5 signals are immune to jamming, representing a significant advancement in satellite navigation technology. This breakthrough promises greater reliability for critical applications, particularly in environments where signal interference can pose serious risks. **#SatelliteNavigation #Jamming**

Link: https://www.spatialsource.com.au/onenav-claims-jamming-immunity-for-l5-signals/

TECHNOLOGY

ReliKit to test secure space-to-space and space-to-ground data transfer

ATLAS Space operations integrates tropics spacecraft into ground network

Quantum Computing enhances satellite IoT services

Rust and AI: combating memory safety vulnerabilities in space systems

Booz Allen deploys advanced language model in space

MARKET & COMPETITION

Ocean 1 satellite now ready for commercial service

SES wins $46m US Air Force contract for satellite services

Teledyne Space Imaging partners to develop advanced space cameras

MARKET & COMPETITION

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Intelsat and Levira AS team up to enhance European network connectivity

Intelsat and Levira, an Estonian-based company specializing in media distribution, management, production, and connectivity services, are joining forces to deliver high-throughput satellite service aimed at bolstering critical network connectivity for European businesses. For Intelsat, partnering with Levira showcases the benefits of satellite connectivity, which includes enhanced reliability, resiliency, and security. These advantages are increasingly vital in the face of natural disasters, geopolitical challenges, and cybersecurity threats. #**Intelsat** #**Levira**

Link: https://spacewatchafrica.com/intelsat-and-levira-as-team-up-to-enhance-european-network-connectivity-2/

[redacted]

[redacted]

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THREAT INTELLIGENCE

Exploring cislunar cybersecurity challenges

As interest in lunar exploration and cislunar activities expands, so does the need for tailored cybersecurity measures. The article highlights unique challenges such as communication delays and spacecraft vulnerabilities, stressing the importance of developing specialized strategies to protect space missions from cyber threats.
#LunarCyberDefense #SpaceTechSecurity

Link: https://medium.com/the-cyber-operator/cislunar-cybersecurity-an-introduction-to-extra-orbital-space-challenges-part-1-7b5a862e14aa

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REGULATION

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NIS2 and DORA: what you need to know to stay compliant and secure

Navigating regulatory compliance can be challenging, particularly for critical sectors in the EU. The NIS2 and DORA regulations set the standards for cybersecurity and operational resilience. This guide delves into what these regulations entail, who they impact, and how your organization can ensure compliance. **#NIS2 #DORA**

Link: https://socradar.io/nis2-and-dora-what-you-need-to-know-to-stay-compliant-and-secure/

TRAINING & EDUCATION

[redacted]

Space ISAC value of Space Summit, co-hosted by the Aerospace Corporation

Space ISAC's fifth annual Value of Space Summit (VOSS V), co-hosted by the Aerospace Corporation explores Geopolitical, Economic, and Cybersecurity Impacts on Global Space. VOSS V is an annual forum for Space ISAC, its members and partners, and will take place on September 24 and 25, 2024. **#SpaceISAC #VOSSV**

Link: https://app.glueup.com/event/space-isac-value-of-space-summit-co-hosted-by-the-aerospace-corporation-107462/

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