Timeframe: Weekly

of articles identified: 25

Est. time to read: 45 minutes



10

SPACE CYBERSECURITY WEEKLY WATCH

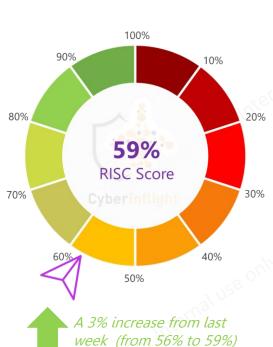
Week 21 May 21 - 27, 2024

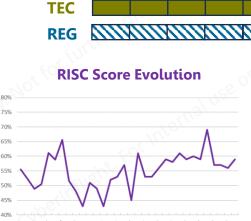
Articles, company's communications, whitepapers, academic works, podcast, and sources not to be missed on the topic of space cybersecurity over a specified timeframe.

GEO MAR

Overview & Resilience Index for Space Cybersecurity







After a peak in W17, there was a period of decline from W18 to W20. This W21 shows a slight increase of the RISC score which is a tool to assess space cybersecurity resilience from information category in this report.

This week's RISC score is 59%. This week, an article discussed the competition for space dominance among the US, Russia, and China, with each country accusing the others of disrupting them using electronic warfare tactics such as jamming and spoofing. In addition, Virginia SATCOM has received a contract to develop a 5G anti-jamming prototype for the US Defense Innovation Unit or DIU. This project aims to leverage DIU's Communication Signal Interference Removal to reduce, isolate, and eliminate unwanted signals from an authorized network. On the market front, EU ministers call for more public and private investment in space to encourage innovation and to boost European competitiveness. On another note, Sticky Fingers' effectiveness has been tested under interference and jamming attacks. This experiment affirms that including a fingerprinting system to authenticate satellite communication is safe without opening up the system to easier denial-of-service attacks. Finally, the Euro-Atlantic Resilience Center notes that Russia has triggered an electronic jamming war on Romania's territory, which manifests itself, especially in Iasi and Galati counties that border the Republic of Moldova.



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GEOPOLITIC





America's military has the edge in space, China and Russia are in a counterspace race to disrupt it

This article discusses the competition for space dominance among the US, Russia, and China, with each country accusing the others of disruption using electronic warfare tactics such as jamming and spoofing. **#Cyberattacks #Space**

Link: https://kesq.com/news/national-world/cnn-world/2024/05/26/americas-military-has-the-edge-in-space-china-and-russia-are-in-a-counterspace-race-to-disrupt-it/



TECHNOLOGY



Virginia SATCOM firm to build 5G anti-jamming prototype for DIU

Virginia-based satellite communication provider iDirect Government has received a contract to develop a 5G counter-interference prototype for the US Defense Innovation Unit. Under the project, the company will leverage its proprietary Communication Signal Interference Removal (CSIR) solution, a co-channel capability that reduces, isolates, and eliminates unwanted signals from an authorized network. **#iDirect #DIU**

Link: https://www.thedefensepost.com/2024/05/23/us-5g-anti-jamming-prototype/





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MARKET & COMPETITION





EU ministers call for more public and private investment in space

EU ministers call for increased public and private investment to support innovation in the space sector, as they pledge to use space to boost European competitiveness. The joint resolution, issued at a ministerial meeting on May 23rd, highlights the potential of space services to help various industries gain a technological edge, to support climate protection and to safeguard critical infrastructure. **#EU #SpaceInvestments**



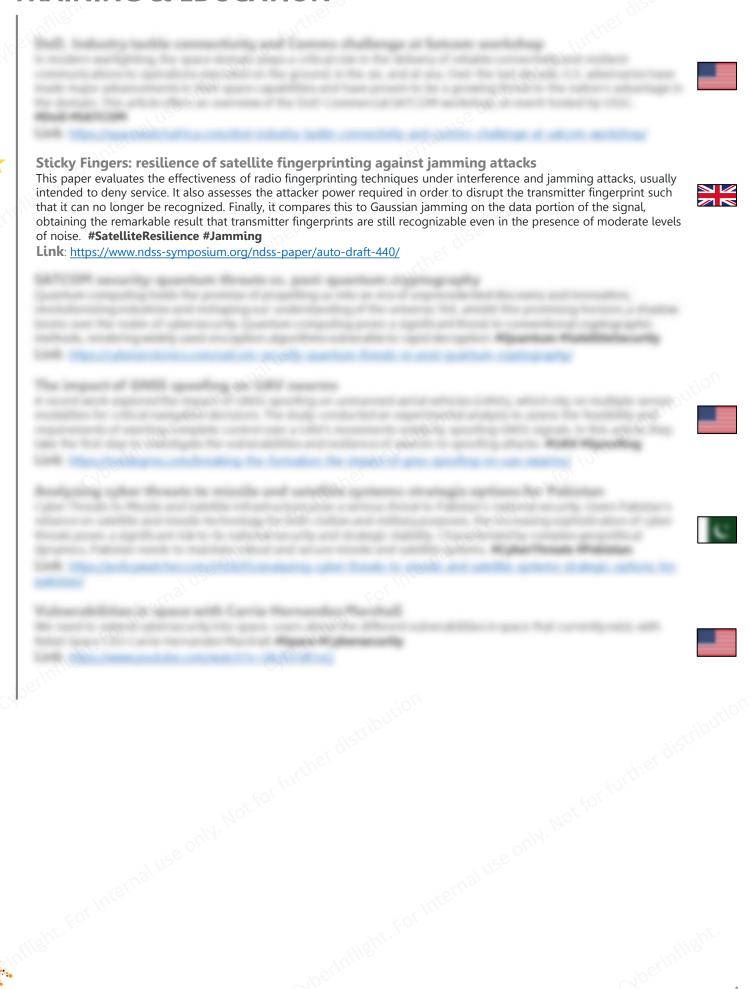
Link: https://sciencebusiness.net/news/european-space-agency/eu-ministers-call-more-public-and-private-investment-space





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TRAINING & EDUCATION







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THREAT INTELLIGENCE



Russia's hybrid warfare in space of GPS waves along the Prut River

A report by the Euro-Atlantic Resilience Center, a body affiliated to the Romanian Ministry of Foreign Affairs (MFA), notes that Russia has triggered an electronic jamming war on Romania's territory, which manifests itself especially in Iasi and Galati counties that border the Republic of Moldova. #Russia #GPS

Link: https://dnyuz.com/2024/05/13/enemies-may-disrupt-us-satellites-by-hacking-ground-stations-pentagon-says/

