of articles identified: 26

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SPACE CYBERSECURITY WEEKLY WATCH

Week 24

June 11 - 17, 2024 Timeframe: Weekly

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

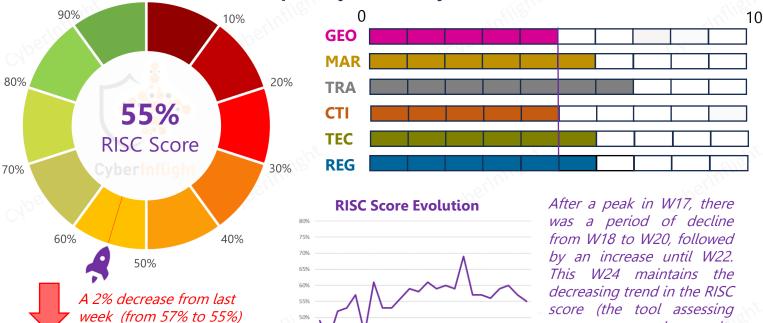


space

resilience).

cybersecurity





This week's RISC score is 55%. This week, with electronic warfare at the heart of the tactical and technical concerns of modern conflict, the French 'Armée de l'Air et de l'Espace' renames its electronic squadron EPIGE as AUBRAC (a reference to an old squadron), reinforcing its crucial role in the mastering of the electromagnetic field. On the technology front, Tern AI created an Independently Derived Positioning System (IDPS) that can recognize the position of a vehicle or person without relying on satellite signals. The goal is to reduce the reliance on GPS with a low-cost navigation alternative. On the market front, Thales, Spire Global and ESSP have signed a Memorandum of Cooperation to introduce a range of global satellite-based surveillance services to the air traffic management industry and broader aviation market. In addition, a research conducts a comprehensive analysis of the cybersecurity landscape surrounding Starlink, with a focus on identifying potential threats, assessing associated risks, and proposing mitigation strategies to bolster the resilience of the network. On the regulatory front, disagreement happened between the US Space Force and the House Appropriations Defense Subcommittee on US Space Force effort to GPS system resilience and Space Force's plan. Lastly, a Finnair aircraft traveling from Helsinki to Joensuu was unable to land due to GPS interference, which lasted longer than it usually does, resulting in the decision to return to Helsinki.

9 11 13 15 17 19 21

GEOPOLITIC



The Air and Space French Army (AAE) brings back the name of the electronic squadron 'Aubrac'

In addition to its airborne units and parachute commandos, the AAE has a number of specialist formations that rarely come under the spotlight. But with electronic warfare at the heart of the tactical and technical concerns of modern conflict, control of the electromagnetic spectrum is crucial in today's contested environments, and the new EPIGE 'AUBRAC' is a key operational force of the Air and Space Force. #AAE #Aubrac



Link: https://www.opex360.com/2024/06/12/larmee-de-lair-et-de-lespace-fait-revivre-les-traditions-de-lescadron-electronique-aubrac/

alis,



TECHNOLOGY



Tern AI wants to reduce reliance on GPS with low-cost navigation alternative

The most critical systems of our modern world rely on GPS. In today's geopolitical reality, threats from foreign adversaries who have shown capabilities to jam, to destroy, to spoof the signals of GPS increase. Tern AI created Independently Derived Positioning System (IDPS) that can recognize the position of a vehicle or person without relying on satellite signal. That means no threat of jamming, construction or dead zones getting in the way of a precise position. **#IDPS #GPS**



Link: https://techcrunch.com/2024/06/12/tern-ai-wants-to-reduce-reliance-on-gps-with-low-cost-navigation-alternative/?ref=biztoc.com









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MARKET & COMPETITION







Week 24 | June 11 – 17, 2024

TRAINING & EDUCATION





Cyber threat landscape analysis for Starlink Assessing Risks and Mitigation Strategies in the global satellite internet infrastructure

This research endeavors to conduct a comprehensive analysis of the cybersecurity landscape surrounding Starlink, with a focus on identifying potential threats, assessing associated risks, and proposing mitigation strategies to bolster the resilience of the network. Through analysis of the current cyber threat landscape facing satellite internet networks, this study aims to provide valuable insights into the cybersecurity challenges inherent in the operation of global satellite internet infrastructure. **#Starlink #SpaceCybersecurity**



Link: https://arxiv.org/abs/2406.07562





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REGULATION



Space Force's Resilient GPS program draws skepticism from lawmakers

This article demonstrates disagreement between US Space Force and House Appropriations defense subcommittee on US Space Force effort to GPS system resilience and Space Force's plan. #USSF #SpaceBudget



Link: https://www.defensenews.com/battlefield-tech/space/2024/06/12/space-forces-resilient-gps-program-drawsskepticism-from-lawmakers/



THREAT INTELLIGENCE



GPS interference prevented Finnair's airplane from landing in Joensuu

On June 11, a Finnair aircraft traveling from Helsinki to Joensuu was unable to land due to GPS interference. Finnair's chief of communications, explained that Joensuu airport is one of few airports in Finland that only uses satellite based GPS navigation in guiding aircraft during the approach. He noted that GPS interference usually lasts only a few minutes, but this time it persisted, resulting in the captain's decision to return to Helsinki. #Finnair #GPS



Link: https://www.rcinet.ca/eye-on-the-arctic/2024/06/11/gps-interference-prevented-finnairs-airplane-from-landing-inioensuu/



