



Norx plus countergame weapons RAND recommends holistic strategy to deter space attack

While it likely will be impossible to completely deter adversary attacks on US space systems, a strategy that takes a hybrid approach — including deterring, detecting and offsetting countergame weapons of the other — is most likely to be successful, a new RAND Corporation study finds. #USAF #Space #Cyber

Link: <https://www.rand.org/pubs/monographs/2023/08/norx-plus-countergame-weapons-and-countermeasures.html>



Taiwan seeks to secure satellite internet access in wartime

A report by Bloomberg in July stated that Taiwan had sought to make up for its current vulnerabilities in internet infrastructure with a deal with Starlink, but that the deal broke down. #Taiwan #Warfare

Link: <https://www.bloomberg.com/news/articles/2023-08-29/taiwan-seeks-to-secure-satellite-internet-access-in-wartime>



MARKET & COMPETITION



Software factory for Air Force Cyber Operations to be developed by Raft

Raft will develop the software factory to work across multiple cloud environments at various classification levels, offering a hybrid approach for software and data applications, the company says, adding that they will use the Department of Defense's (DoD) existing Platform One (P1) as a technical baseline. The software factory will also serve as the Joint Development Environment for the JCWA Joint Cyber Warfighting Architecture, the statement reads. #USAirForce #Raft

Link: <https://militaryembedded.com/cyber/cybersecurity/software-factory-for-air-force-cyber-operations-to-be-developed-by-raft>



Orion Space Solutions Launches Consortium for Space Quantum Innovation

Orion Space Solutions has established the Consortium for Space Quantum Innovation (CSQI) in support of ongoing and future space and needs — the Consortium aims to accelerate collaboration between the U.S. government and its partners, industry partners, and academia to advance leadership in the realm of space quantum information science. #Quantum

Link: <https://www.orionspace.com/2023/08/29/orion-space-solutions-launches-consortium-for-space-quantum-innovation/>



THREAT INTELLIGENCE

Chinese Hacking Group Exploits Samsung's Zero Day to Target Government, Military, and Taiwan

A suspected threat actor has exploited a security flaw in Samsung's Zero Day to target government, military, and Taiwan. Security analysts warn this exploit could breach government, military, defense and aerospace high technology, and telecom systems as part of a global espionage campaign. #China #Cyberattack

Link: <https://www.fireeye.com/blog/threat-research/articles/2023/08/chinese-hacking-group-exploits-samsung-zero-day-to-target-government-military-and-taiwan.html>



8Base Claims Skyroot Aerospace Ransomware Attack

The 8Base ransomware group has claimed yet another ransomware onslaught on Palmyra Island, the extremist has taken intent to state the pioneering Indian privately held abstraction motorboat enactment startup, 'Skyroot Aerospace.'

#Ransomware #Cyberattack

Link: <https://techfishnews.com/8base-claims-skyroot-aerospace-ransomware-attack-172064.html>



Briefing 12 Nation State Actor Redacted Emerges as Prominent Threat

Emerging from the shadows, intelligence coordinator in the space era. #Threat #Space #Cyber

Link: <https://www.fireeye.com/blog/threat-research/articles/2023/08/briefing-12-nation-state-actor-redacted-emerges-as-prominent-threat.html>

Navigating cyber threats in space in the age of commercialization

Article by Neil Chandra, published in page 18 of the latest edition of Global Military Communications. #Cybersecurity

Link: <https://www.fireeye.com/blog/threat-research/articles/2023/08/navigating-cyber-threats-in-space-in-the-age-of-commercialization.html>

REGULATION

NASA, NRO, USSPACECOM plan for threats to commercial satellites

The Commercial Space Protection Act (CSPA) Strategic Framework brings together the three organizations to jointly share threat information and conduct other measures to avoid or reduce harm to commercial satellites from potential threats. #Space #Threat

Link: <https://www.nasa.gov/press/20230829/nasa-nro-uspacecom-plan-for-threats-to-commercial-satellites/>



TECHNOLOGY



SpiderOak demonstrates zero-trust software on ISS

SpiderOak announced the successful demonstration Aug 29 of OrbitSecure zero-trust cybersecurity software on the International Space Station. Working with Axiom Space and an Amazon Web Services edge computing device, SpiderOak securely transmitted operations traffic between ground networks and low-Earth orbit. Data sent to ISS was transmitted through NASA's Tracking and Data Relay constellation. #SpiderOak #Cybersecurity



Link: <https://spacenews.com/spideroak-demonstrates-zero-trust-software-on-iss/>

First signals for real results: Spirit Communications / Spirit Federal Systems

In collaboration with Mark Anderson, VP of Product Development, Spirit Communications and Roger Hart, Sr Director of Engineering, Spirit Federal Systems, about 2023, jamming and spoofing. #NSA #Cybersecurity

Link: <https://www.spacemilitary.com/spirit-federal-systems>

Orbit Integrates Northrop's cyber solution into Open760 MIL systems

Orbit Communications Systems, a major advancement in maritime satellite cybersecurity - the integration of the Northrop's system with its comprehensive array of advanced cyber security features into the company's Open760 MIL systems. #NSA #Cybersecurity

Link: <https://www.spacemilitary.com/orbit-integrates-northrop-cyber-solution-into-orbit-760-mil-systems>

ESA, ESAE and ST Engineering (Direct Start) Product Phase for Secure Satcom Service

The SecureSatcom & Sharing Service (SS) has entered into the Product Development phase, which will lead to the operationalization of the service in 2025 following successful completion of the validation and technology phase. The project is co-funded by the European Space Agency (ESA) under its programme of Advanced Research and Communications (ARC) and the support of the Belgian Science Policy Office. #ESA #ESAE #STEngineering



Link: https://www.esa.int/esa/e/2023/09/esa_euae_and_st_engineering_direct_start_product_phase_for_secure_satcom_service

Research on quantum communications using a chain of synchronously moving satellites without repeaters

Academic and industry researchers are increasingly testing the prospect of global communications networks that would take advantage of quantum technology. Long distance quantum communications can be achieved by directly sending light through space using a train of orbiting satellites that function as optical relays without repeaters. #Quantum

Link: https://www.esa.int/esa/e/2023/09/esa_research_on_quantum_communications_using_a_chain_of_synchronously_moving_satellites_without_repeater

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.

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