



SPACE CYBERSECURITY WEEKLY WATCH

20-26/03/2023

Timeframe : Weekly
of articles identified : 28
Est. time to read : 55 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.

- GEOPOLITIC
- MARKET & COMPETITION
- THREAT INTELLIGENCE
- TRAINING & EDUCATION
- REGULATION
- TECHNOLOGY
- ★ IMPORTANT NEWS

Overview

This week has been marked by numerous declarations from US Space Force regarding the FY2024 budget. Europe and Asia Pacific were also highlighted in this watch. American companies and institutions continue to dominate space cybersecurity business and technology news.

GEOPOLITIC



Tecnologie satellitari, la Corea del Sud blocca l'export verso Pyongyang (trad.: Satellite technologies, South Korea blocks its export to Pyongyang)

It is aimed at hampering North Korea's ballistic missile program, which has announced plans to launch a military reconnaissance satellite into orbit by late spring. **#SouthKorea #NorthKorea**

Link: <https://www.spaceeconomy360.it/difesa-cybersecurity/tecnologie-satellitari-la-corea-del-sud-blocca-lexport-verso-pyongyang/>

Passenger aircraft could be at risk from chinese jamming, warns professor

Australia should be concerned about recent reports of passenger aircraft having their GPS jammed by the "Chinese military", according to an Australian professor specialising in electromagnetic waves. **#Australia #Jamming #China**

Link: <https://australianaviation.com.au/2023/03/passenger-aircraft-could-be-at-risk-from-chinese-jamming-warns-professor/>

Space Force wants \$243M in FY24 to kickstart 'Long Range Kill Chain' to track targets from space

The Space Force is "working with the Air Force and the Intelligence Community (IC) in a complementary way to design, develop, and deploy space-based GMTI systems," the service's FY24 budget documents explain. **#USSF**

Link: <https://breakingdefense.com/2023/03/space-force-wants-243m-in-fy24-to-kickstart-long-range-kill-chain-to-track-targets-from-space/>

White House OSTP Releases Priorities for National Aeronautics

The White House Office of Science and Technology Policy (OSTP) has released the Biden-Harris Administration's priorities to advance a vision for America's continued global leadership in aeronautics. **#WhiteHouse**

Link: <https://spacewatch.global/2023/03/white-house-ostp-releases-priorities-for-national-aeronautics/>

Cybersecurity, Euspa testa la "resistenza" di Galileo (trad.: Cybersecurity, Euspa tests the "resilience" of Galileo)

The Galileo constellation is capable of withstanding cyber threats. This was demonstrated by Stra (Space Threat Response Architecture) the exercise held between March 6 and 10 at the European External Action Service (Eas) headquarters to test the resilience and response of European space infrastructure to enemy cyber challenges. **#EUSPA #Galileo**

Link: <https://www.spaceeconomy360.it/difesa-cybersecurity/cybersecurity-euspa-testa-la-resistenza-di-galileo/>



Viasat Hack Still Dominates Cybersecurity Discussions A Year Later

The hack on Viasat's KA-SAT network in early 2022 is still casting a shadow over cybersecurity discussions more than a year later. #SATELLITE #Viasat

Link: <https://interactive.satellitetoday.com/via/satellite-2023-show-daily-wrap-up/viasat-hack-still-dominates-cybersecurity-discussions-a-year-later/>

Introducing Rodrigo da Costa as top executive speaker at CYSAT

Rodrigo da Costa, Executive Director at EUSPA - EU Agency for the Space Program will speak at the CYSAT conference on April 26th. #CYSAT

Link: <https://www.linkedin.com/feed/update/urn:li:activity:7043929009151250433/>

Space Development Agency's FY24 budget request skyrockets to \$4.7B

The Space Development Agency, which re-aligned under the Space Force last October, is requesting a top line of about \$4.7 billion for fiscal 2024 — a whopping 55 percent increase over last year's request of \$2.6 billion. #SDA #FY2024

Link: <https://breakingdefense.com/2023/03/space-development-agencys-fy24-budget-request-skyrockets-to-4-7b/>

Space Force wants \$187M to 'enhance' its Unified Data Library

Eyeing upgrades, the Space Force is asking Congress for more than six times the amount of money it wanted last year for its cloud-based data repository and, according to a top service official, will soon ask industry early next fiscal year to figure out how to do so. #USSF

Link: <https://breakingdefense.com/2023/03/space-force-wants-187m-to-enhance-its-unified-data-library/>

US Space Force asks Congress for classified funding boost in wish list

The U.S. Space Force sent Congress a mostly classified fiscal 2024 wish list that includes \$434 million for six unnamed programs. #USSF #FY2024

Link: <https://www.defensenews.com/battlefield-tech/space/2023/03/24/space-force-asks-congress-for-classified-funding-boost-in-wish-list/>

MARKET & COMPETITION

LinQuest and SpiderOak Establish Strategic Partnership to Offer Cyber Solutions to National Security Space Customers

Partnership between SpiderOak and LinQuest to protect space mission systems for government & commercial customers. #SpiderOak #LinQuest

Link: <https://www.businesswire.com/news/home/20230320005671/en/LinQuest-and-SpiderOak-Establish-Strategic-Partnership-to-Offer-Cyber-Solutions-to-National-Security-Space-Customers>

Red River Wins \$12.1B US Army Information Technology Contract

Red River has received a \$12.1 billion contract to supply information technology (IT) enterprise solutions for the US Army. #RedRiver #USArmy

Link: <https://www.thedefensepost.com/2023/03/23/us-army-information-technology-contract/>

Space Force selects 18 vendors to provide space data analytics and software services

These vendors will compete for \$900 million worth of task orders under an indefinite delivery indefinite quantity contract over the next five years. #USSF

Link: <https://spacenews.com/space-force-selects-18-vendors-to-provide-space-data-analytics-and-software-services/>



Space: Commission invites the industry to submit proposals to deploy the new EU secure connectivity satellite constellation, IRIS²

The Commission launches an invitation to tender to procure a concession contract to implement the EU satellite constellation called IRIS² (Infrastructure for Resilience, Interconnectivity and Security by Satellite). The public-private partnership between the Commission and the private sector will ensure common investment into the design, development, deployment and operation of governmental and commercial infrastructure and its use. #EU #Commission

Link: https://ec.europa.eu/commission/presscorner/detail/en/ip_23_1882



THREAT INTELLIGENCE

Pentagon CIO places high priority on developing GPS alternatives with growing threat of great power conflict

The events that have unfolded over the last year in Ukraine have shown the need to accelerate the fielding of new technologies like GPS alternatives and other forms of satellite communications, John Sherman said. **#US #GPS #PNT**

Link: <https://defensescoop.com/2023/03/21/pentagon-cio-places-high-priority-on-developing-gps-alternatives-with-growing-threat-of-great-power-conflict/>

In a \$3 billion bet, Space Force envisions tactical anti-jam SATCOM keeping enemy EW at bay

The Space Force is planning to spend slightly more than \$3 billion between fiscal 2024 and 2028 for its multi-pronged effort to develop new jam-resistant satellite communications (SATCOM) systems to ensure warfighters on the battlefield can stay securely connected in the face of ever-improving adversary electronic warfare systems. **#USSF #Jamming**

Link: <https://breakingdefense.com/2023/03/in-a-3-billion-bet-space-force-envisions-tactical-anti-jam-satcom-keeping-enemy-ew-at-bay/>

Cyberattacks on Russian GNSS receivers in Moscow

On March 14, 2023, a member of the Hactivist Group – GhostSec (an affiliate of the Anonymous group) shared Tweet associated with their attack on Global Navigation Satellite System (GNSS) Receiver. **#GhostSec #Russia**

Link: https://twitter.com/V_GhostSec/status/1635434812700868608



Space Force plans to mature hybrid, multi-cloud architecture for satellite ground systems

The Space Force is pursuing a hybrid, multi-cloud approach as part of its efforts to modernize and streamline its ground-based satellite command-and-control systems, a top Space Force IT leader said Wednesday. **#GroundSystems**

Link: <https://defensescoop.com/2023/03/23/space-force-plans-to-mature-hybrid-multi-cloud-architecture-for-satellite-ground-systems/>

Air Force CROWS wants to expand cyber defenses within Space Force

A U.S. Air Force office focused on making sure aircraft and weapon systems are hardened against cyber intrusions wants to expand its reach within the Space Force. **#CROWS #SpaceForce**

Link: <https://www.defensenews.com/cyber/2023/03/24/air-force-crows-wants-to-expand-cyber-defenses-within-space-force/>

Using Starlink Paints a Target on Ukrainian Troops

This article gives an overview of the challenges regarding the use of Starlink in a very contested area where Russian Electronic Warfare is very active. **#Starlink #Jamming**

Link: <https://ukrainetoday.org/2023/03/26/using-starlink-paints-a-target-on-ukrainian-troops/>

TRAINING & EDUCATION

The Relationship Between Satellites and Cybersecurity Risks

Satellites are becoming a crucial part of our everyday lives, from connecting us with our loved ones to helping us navigate traffic, and they are also becoming increasingly important in the realm of cybersecurity. However, this increased reliance on satellites has made us more vulnerable to cyber-attacks. **#Satellites #Cyberattack**

Link: <https://ts2.space/en/the-relationship-between-satellites-and-cybersecurity-risks/>

REGULATION

India's space cybersecurity mesh: Criticality and call of purple revolution

This article gives an overview of the current Indian space cybersecurity landscape regarding governance and initiatives. **#India #SpaceCybersecurity**

Link: <https://www.orfonline.org/expert-speak/indias-space-cybersecurity-mesh/>



TECHNOLOGY

Silvus Technologies unveils LPI/LPD radios with anti-jam capabilities + protected comms

Silvus Technologies, Inc. has unveiled Spectrum Dominance, an expansive suite of Low Probability of Intercept/Low Probability of Detection and Anti-Jamming capabilities that provide secure and Electronic Warfare resilient mesh network communications at the tactical edge. **#Silvius #Jamming**

Link: <https://news.satnews.com/2023/03/20/silvus-technologies-unveils-a-suite-of-lpi-lpd-anti-jam-capabilities-that-provide-secure-protected-comms/>

Quantum Computers: Why We Should Be Both Excited And Concerned

While quantum computers promise great things for humankind, these computers also have the potential to be weaponized. **#Quantum**

Link: <https://www.forbes.com/sites/forbestechcouncil/2023/03/22/quantum-computers-why-we-should-be-both-excited-and-concerned/>

Jam-resistant secure communications waveform that uses no keys introduced by Digital Matrix Solutions

Data Matrix Solutions Inc., is introducing the CloakCom keyless and featureless, secure communications software waveform for aerospace and defense applications that require resistance to jamming. **#Jamming**

Link: <https://www.militaryaerospace.com/trusted-computing/article/14291328/secure-communications-waveform-jamresistant>

Mynaric to develop quantum comms for satellite networks

Mynaric was selected for three technology development projects that are related to quantum communication — these projects are part of the second phase of the QuNET initiative funded by Germany's Federal Ministry of Education and Research and co-funded with a total amount of as much as 5.6 million euros between 2023 and 2025.

#Mynaric #Quantum

Link: <https://news.satnews.com/2023/03/26/mynaric-to-develop-quantum-comms-for-satellite-networks/>

U.S. Space Force reaches out to industry for electronic surveillance and communications satellite payloads

U.S. Space Force satellite experts are reaching out to industry for new orbiting surveillance and communications payloads that will be part of the Iridium NEXT satellite constellation that tracks hundreds of thousands of aircraft flying over the Earth. **#USSF #Surveillance**

Link: <https://www.militaryaerospace.com/communications/article/14291408/satellite-electronic-surveillance-communications>

Assessing Alternative Positioning, Navigation and Timing Technologies for Potential Deployment in the EU

Today, many EU critical infrastructures, such as energy supply networks, transport infrastructures, telecommunications, and financial networks, have a strong reliance on Global Satellite Navigation Systems (GNSS). **#PNT #GNSS**

Link: <https://publications.jrc.ec.europa.eu/repository/handle/JRC132737>

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.