



# SPACE CYBERSECURITY WEEKLY WATCH

Week 37

September 5 – 11, 2023

Timeframe : Weekly  
# of articles identified : 28  
Est. time to read : 45 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
- TRAINING & EDUCATION
- TECHNOLOGY
- THREAT INTELLIGENCE
- MARKET & COMPETITION
- ★ IMPORTANT NEWS

## Overview

This week an article by Matthias Popoff, Analyst at CyberInflight was published, presenting the major issues in space cybersecurity.

Also this week, the USSF has launched an effort to revamp its readiness in the face of threats from peer adversaries like China. The Pentagon's Office of Strategic Capital plans to come out with its first investment strategy later this year targeting what it has identified as critical technology areas. On the market front, TNO, the ICCS and a consortium of other European partners, collaborate in the LaiQa-project to develop global quantum internet enabled from space. This week, the ransomware group LockBit has leaked a tranche of data purloined from the UK's Ministry of Defense after an attack on a company called Zaun. On the technological front, Rokubun's new Galileo OSNMA embedded library delivers navigation message authentication. Finally, Erin Miller, Executive Director of the Space ISAC, talked about the Space ISAC, cyber threats in space, standards and regulations, future challenges on the Cybersecurity Today Show.

## ★ CYBERINFLIGHT'S NEWS ★



**#ParoledExpert "L'espace : la frontière finale de la cybersécurité », une tribune de Matthias POPOFF, Analyste Marché de CyberInflight (Trad.: #ParoledExpert "Space: the final frontier of cybersecurity", an article by Matthias POPOFF, Market Analyst at CyberInflight)**

It presents the major issues in cybersecurity as applied to space, a subject of vital importance at a time when technology and space are becoming increasingly interconnected. #CyberInflight

Link: <https://cybercercle.com/paroledeexpert-matthias-popoff-cyberinflight-08092023/>

## GEOPOLITIC



### Air Force, Space Force launch 'major' readiness revamp with threat of China in mind: Kendall

The Department of the Air Force is launching a "major" and "comprehensive" effort to revamp its readiness in the face of threats from peer adversaries like China, according to the service's top civilian. #USSF #US

Link: <https://breakingdefense.com/2023/09/air-force-space-force-launch-major-readiness-revamp-with-threat-of-china-in-mind-kendall/>



### Pentagon Office of Strategic Capital's investment strategy expected later this year

The Pentagon's Office of Strategic Capital (OSC) is looking to launch its first investment strategy later this year targeting what it has identified as critical technology areas, according to a report from the Wall Street Journal.

Link: <https://www.wsj.com/articles/pentagon-office-of-strategic-capital-investment-strategy-expected-later-this-year-11694848000>





### State Department looks to satellite communications for emergencies in embassies around the world

The State Department is focused on building out satellite communications that would allow it to have affordable and reliable communications in embassies and outposts, particularly during crises, in its embassies around the world, US State Dept. says Thursday. #US #StateDept

**Link:** [https://www.usdoj.gov/press/department-looks-to-satellite-communications-for-emergencies-in-embassies-around-the-world](#)



### How am I in this war?: The untold story of Stan Muskie's support for Ukraine

Stan Muskie is a professor of history at Wayne University, former editor of "The Magazine" and author of several biographies. His up-sets excerpted from his latest book, "Stan Muskie" #Wayne #Muskie

**Link:** [https://www.cyberinflight.com/news/2023/09/05/stan-muskie-ukraine-war-timeline](#)

### New strategy for global cybersecurity cooperation coming soon: State cyber ambassador

The State strategy will build on the National Cybersecurity Strategy released by the White House in May. That document notably held up "international partnerships" as one of its five principles, or "pillars." Such themes called for the US to build coalitions to counter cyber threats, strengthen friendly countries' capabilities for cyber defense, and defend complex, global supply chains for technology. #US #CybersecurityStrategy

**Link:** [https://www.usdoj.gov/press/state-offers-strategy-to-global-cybersecurity-cooperation-coming-soon-says-cyber-ambassador](#)



## TRAINING & EDUCATION

### Cybersecurity in, for and from space

The event "Cybersecurity in, for and from space" is organized in Rome by Fondazione Eni Enrico Mattei, an ESA Business Applications Ambassador Platform for Italy, and the European Space Agency, in collaboration with the Italian Space Agency. #ESA #SpaceAgency

**Link:** [https://www.eni.com/it/en/cybersecurity-in-for-and-from-space-1466177640](#)



### Cybersecurity in Outer Space - A Q&A with Ambassador Sergio D'Amico

In an interview with IT Analysts, Ambassador Sergio D'Amico, Director of the European Union Satellite Centre that will discuss the role that cyber operations pose to space based assets and capabilities, particularly during armed conflict, and the multilateral and multilateral efforts to address these challenges. #Cybersecurity

**Link:** [https://itanalysts.com/2023/09/05/cybersecurity-in-outer-space](#)

### Speakers Selected to Present on Post-Quantum Cryptography Planning and Impact at World Knowledge Forum Next Week

QuantumFlow, Inc., a leader in post-quantum cryptography (PQC), today announced that it has been selected to present its PQC services at the World Knowledge Forum being held in Seoul, South Korea, next week. The World Knowledge Forum is discussing and sharing knowledge to promote balanced global economic growth and prosperity. #QuantumFlow

**Link:** [https://www.quantumflow.com/news/2023/09/05/speakers-selected-to-present-on-post-quantum-cryptography-planning-and-impact-at-world-knowledge-forum-next-week](#)



### Cybersecurity Today TV Show - S4, E3 - The Intersection of Cybersecurity and Space Technology

Ms. Erin M. Miller, the Executive Director of the Space ISAC (Information Sharing and Analysis Center), comes on the show to talk about the Space ISAC, cyber threats in space, standards and regulations, future challenges, and so much more.

#SpaceISAC

**Link:** <https://www.youtube.com/watch?v=wfQ6dvPPKFo>



### Space Systems and IoT: What Are the Biggest Cyber Threats?

Interview with Dick Williams, CEO of Proxycube, exploring the cyber threats in space and on the internet of things, and how they impact each of us. #Proxycube

**Link:** [https://www.proxycube.com/blog/what-are-cyber-threats-to-space-systems-and-what-are-the-biggest-cyber-threats](#)





# TECHNOLOGY



**StellarWare partners with Space Systems to develop low power PULSAR + GNSS receiver**  
StellarWare PULSAR + Star Space GNSS receiver will be a one chip, one power solution that integrates all four GNSS constellations while receiving and processing the Space PULSAR signal. #GNSS #GNSS #GNSS

**Link:** [https://www.stellarware.com/press-releases/stellarware-partners-with-space-systems-to-develop-low-power-pulsar-gnss-receiver](#)

## Rokubun's new Galileo OSNMA Embedded Library delivers navigation message authentication

By delivering data authentication, the free-to-use Galileo OSNMA assures users that the received Galileo navigation message comes from the system itself and has not been modified by, for example, a spoofing attack. To address this risk, Rokubun's ready-to-use library enables the Galileo OSNMA in embedded GNSS solutions. #GNSS #Galileo

**Link:** <https://www.euspa.europa.eu/newsroom/news/rokubuns-galileo-osnma-library-delivers-navigation-message-authentication>

## Angis launching Atlas of GNSS

Defense-based quantum technology company Angis is launching Atlas - a toolkit for a new breed of global secure mobile networks - which it will present for the first time at IDEF 2023 in London next week. #Quantum #GNSS

**Link:** [https://www.angis.com/angis-launching-atlas-at-idef2023](#)

## Preventing GNSS interference from Low Earth Orbit

In the past decade, there has been a sharp increase in GNSS outages due to deliberate GNSS jamming. Researchers at MIT are currently studying to detect, classify and geolocate terrestrial GNSS jammers. This article explores how they can detect and direct mitigation of terrestrial GNSS jammers from LEO. #GNSS #GNSS

**Link:** [https://www.mit.edu/research/ai-preventing-gnss-interference-from-leo](#)

## Broadband View Bringing New & PNT Opportunities to Life

An in-depth performance assessment campaign was recently completed by the Joint Research Center (JRC) of the European Commission (EC). Four companies (GNSS, T Solutions SL, SOTIME and GNS) demonstrated timing services, while three others, Galileo, Locata and NextNav, demonstrated timing and positioning services. #GNSS #PNT

**Link:** [https://www.ec.europa.eu/broadband/view-bringing-new-pnt-opportunities-to-life](#)



# THREAT INTELLIGENCE



## LockBit ransomware gang allegedly leaks MoD data after hit on supplier

The LockBit ransomware operation has leaked a tranche of data purloined from the UK's Ministry of Defence (MoD) after an attack on a company called Zaun, a West Midlands-based supplier of metal fencing products that has supplied some of the UK's key installations, thought to include the Porton Down research unit in Wiltshire and the Faslane nuclear submarine base in Scotland. #Lockbit #UK

**Link:** <https://www.computerweekly.com/news/366550812/LockBit-ransomware-gang-allegedly-leaks-MoD-data-after-hit-on-supplier>



## Is the US's Space Force Ambition Being Threatened by Cyber Security Risks?

The US Space Force is increasingly focused on upgrading security risks. In a recent speech at the Atlantic Defense Digital Conference in Washington DC, the Chief of Space Operations (CSO) of the US Space Force, General Raymond W. Thomas, said that cyberattacks are one of the most significant threats to the US's space operations. He also highlighted the modern risks of low security systems. Every individual and entity face the constant risk of an attack being made against them, whether they are simply scrolling through social media in a coffee shop, or planning to scale space operations in the light for power. #GNSS

**Link:** [https://www.spaceforce.mil/News/2023/09/05/is-the-us-space-force-ambition-being-threatened-by-cyber-security-risks](#)



## How the Space Force's new targeting operations will scope out adversary space and counter-space capabilities

The Space Force is being directed to build operations designed to target adversary space assets and their supporting ground systems and command links. And while the unit won't be using capabilities that could potentially physically damage those systems, it will play a critical role in giving commanders information on possible ways to do so. #GNSS #GNSS

**Link:** [https://www.spaceforce.mil/News/2023/09/05/how-the-space-force-s-new-targeting-operations-will-scope-out-adversary-space-and-counter-space-capabilities](#)



## The Unsettling Mystery of the 2022 Texas Interference

The research probes the wide area GNSS jamming incident using data from offshore receivers through Automatic Dependent Surveillance - Broadcast (ADS-B) and ground receivers at Commercial Operating Reference Stations (CORS). #GNSS #GNSS

**Link:** [https://www.spaceforce.mil/News/2023/09/05/the-unsettling-mystery-of-the-2022-texas-interference](#)







## MARKET & COMPETITION

### Leonardo, Alia Studio are unit with Space. 3 more joins in Asia (China): Leonardo a Space unit under study. And low weight in Asia!

The new Italian would bring together the high-growth potential but currently underperforming businesses namely the joint ventures with Thales (Telecom), Thales Alenia Space and Telespazio. According to press reports, the group is also considering the possibility of creating a sub-holding company for the most attractive segments or which to concentrate investments. #Leonardo

**Link:** <https://www.spaceconomy.com/industry-updates/leonardo-also-studio-are-unit-space-3-more-joins-in-asia/>



### US Space & Defense Awarded U.S. Air Force Research Laboratory Contract to Support DODCN Program

US Space & Defense has been awarded a multi-year contract by the U.S. Air Force Research Laboratory (AFRL) to conduct a series of tests to integrate GNSS broadband services across a multi-constellation network in support of the Defense Experimentation using Commercial Space Internet (DECSI) program. #US Space & Defense

**Link:** <https://www.us-space.com/news/defense-space-awards-us-air-force-research-laboratory-contract-support-decsi/>



### US Space Force eyes partnerships for tactical satellite communications

The next generation suite of more robust communication satellites and ground capabilities is known as the Protected Anti-Jam Tactical Satellite Communications (PAJTS) program. Partnerships with allies is a top priority for the effort, according to the tactical US Space Systems Command. #US Space Force

**Link:** <https://www.defensetech.com/news/us-space-force-eyes-partnerships-for-tactical-satellite-communications/>



### ESA invests in Europe focused space technology venture fund

ESA has invested in French venture capital firm Eurostars' space technology fund to strengthen ties with startups across Europe. The satellite operator said Sept. 7. #ESA Invests

**Link:** [https://www.esa.int/Enabling\\_Support/Space\\_Economy/ESA\\_invests\\_in\\_europe\\_focused\\_space\\_technology\\_venture\\_fund/](https://www.esa.int/Enabling_Support/Space_Economy/ESA_invests_in_europe_focused_space_technology_venture_fund/)



### TNO and European collaborate to develop global quantum internet enabled from space

TNO and the Institute of Communication and Computer Systems (ICCS) and a consortium of other European partners, join forces in the LaiQa-project (Leap in Advancing of critical Quantum key distribution-space components). Funded by the European Union, the project is expected to start in the beginning of 2024 and run for 3 years. #Quantum

**Link:** <https://news.satnews.com/2023/09/07/tno-and-european-collaborate-to-develop-global-quantum-internet-enabled-from-space/>



### As DOD readies new commercial space strategies, industry fears funding gap

For the past several years, Defense Department and intelligence community (IC) leaders have been steadily leading their departments to take better advantage of cutting-edge commercial space technology. But so far, according to market made and outside the government, there has been less progress than hoped. #DOD Budget

**Link:** <https://www.defensetech.com/news/as-dod-readies-new-commercial-space-strategies-industry-fears-funding-gap/>



### Small payloads selected for Space Development Agency satellites

Small, a supplier of optical sensor payloads for military satellites, announced Sept. 11 it won a contract to produce eight payloads for missile tracking satellites that Northrop Grumman is building for the U.S. Space Development Agency. The payloads are designed to detect threats against satellites. #Small #Payloads

**Link:** <https://www.comsec.com/news/small-selected-for-space-development-agency-satellites/>



### Thales eyes new chapter in cooperation with France in cybersecurity, space sector over

The French defense company Thales Group aims to deepen cooperation with French partners in the fields of cybersecurity and space technologies. The developer long partnering to provide intel beyond the defense and other conventional sectors. Its senior exec said Sept. 11. #Thales #Conditions

**Link:** <https://www.burton.com/news/thales-eyes-new-chapter-in-cooperation-with-france-in-cybersecurity-space-sector-over/>



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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