

SPACE CYBERSECURITY WEEKLY WATCH

Week 25

June 13 – 19, 2023

Timeframe : Weekly # of articles identified : 39 Est. time to read : 1,5 hour Articles, company's communications, whitepapers, academic works, podcast, and sources not to be missed on the topic of space cybersecurity over a specified timeframe.



Overview

This week saw the release of four important documents on the regulation of space cybersecurity. Germany released its first National Security Strategy, as did Japan with its Space Security Policy. In the US, the Satellite Cybersecurity Act is currently being debated in Congress, and the Strategic Framework for Space Diplomacy has been adopted. Quantum was one of the main topics this week, from the technological, threat intelligence as well as market analysis points of view, as illustrated by the IrelandQCI consortium, which was set up in response to the EU Digital Europe Program. Also in the Market & Competition section, this week saw a meeting for SMEs and start-ups to submit a request for interest in the IRIS² tender. Finally, on the technological front, in addition to quantum, GPS and GNSS were in the spotlight, with the announcement of new products.

GEOPOLITIC

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Links International

U.N. opens "window of apportunity" is improve space processance

Moonlighter has reached the International Space Station

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THREAT INTELLIGENCE

Cybersecurity Gaps Could Put Astronauts at Grave Risk

Top-level study on Intel Community, Space Force satellite control coming soon

A study commissioned by Defense Secretary Lloyd Austin and Director of National Intelligence Avril Haines on how to separate responsibilities for gathering intelligence, surveillance and reconnaissance (ISR) from space — including sorting out who can task imagery satellites when — is "coming to closure," according to a top Space Force official. **#Satellite** Link: <u>https://breakingdefense.com/2023/06/top-level-study-on-intel-community-space-force-satellite-control-coming-soon/</u>





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TECHNOLOGY



Microchip Unveils New Cesium Atomic Clock for Autonomous Timekeeping Amidst GNSS Denials

Microchip Technology has announced the 5071B cesium atomic clock that can perform autonomous time keeping for months in the event of GNSS denials, in order to provide multiple industries—including telecommunications, data centers, metrology, aviation, and defense—with a long-term and precise timing and frequency solution. **#GNSS** Link: <u>https://www.everythingrf.com/news/details/16640-microchip-unveils-new-cesium-atomic-clock-for-autonomous-timekeeping-amidst-gnss-denials</u>

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Crypta in Space: Blackchain Technologies Tauching the Stars

Quantum Computing in Russia: A journey towards a Quantum future

Russia is investing a huge sum of money in the development of quantum technologies. Its significance is visible in the adoption of a five year Russian quantum technologies roadmap as part of the Digital Economy National Program in 2019. **#Russia #Quantum**

Link: <u>https://www.financialexpress.com/world-news/quantum-computing-in-russia-a-journey-towards-a-quantum-future/3130068/</u>

REGULATION

S. 1425, Satellite Cybersecurity Act

S. 1425 would require the Cybersecurity and Infrastructure Security Agency (CISA) to disseminate information on cyber safety measures to operators of commercial satellites. Under the bill, CISA would collect security recommendations from the private sector and other federal agencies with expertise in satellite operations.**#USCongress #CISA** Link: https://www.cbo.gov/publication/59203

Japan Adopts its First Space Security Policy, Pledges to Expands Defense Use

Japan made a significant move on Tuesday by adopting its first space security blueprint, focusing on the utilization of outer space for defense purposes over the next decade. **#Japan #SpacePolicy** Link: <u>https://bnn.network/world/japan/japan-adopts-its-first-space-security-policy-pledges-to-expands-defense-use/</u>

Germany first National Security Strategy

Regarding the space domain, Germany highlight a space cybersecurity strategy, a boost of resilience of satellite communications and space infrastructure, and finally the fact to build global sensor network with international partners. **#Germany**

Link: https://twitter.com/rbsw/status/1668907237631246336

United States Leads in Space with Diplomacy

Official statement of US Department of State regarding the release of the Strategic Framework for Space Diplomacy. **#US #SpaceDiplomacy**

Link: https://www.state.gov/united-states-leads-in-space-with-diplomacy/

TRAINING & EDUCATION

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The Risk to Space as Satellite Communications Systems and Ground Networks are Target for Attackers

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Space Cybersecurity Norms Paper about the development of cybersecurity norms for space systems, by Samuel Visner and Peter Sharfman. **#SpaceCybersecurity**

Link: <u>https://www.researchgate.net/publication/371536822_Space_Cybersecurity_Norms</u>

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. Contact us at: research@cyberinflight.com Page 5/5

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