Timeframe: Weekly

# of articles identified: 42

Est. time to read: 1 h 35 min



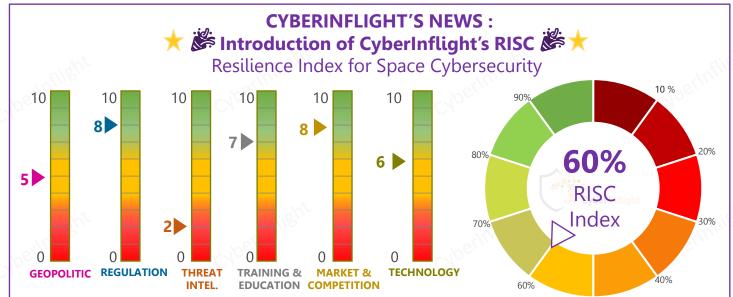
# SPACE CYBERSECURITY WEEKLY WATCH

Week 40

September 26 – October 2, 2023

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





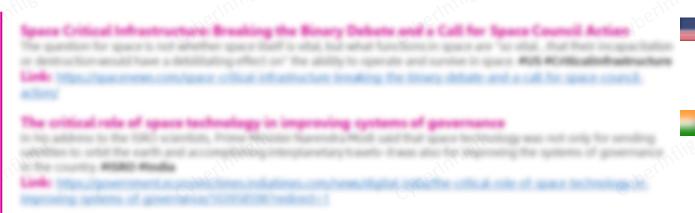
To celebrate the cyber-month, CyberInflight has decided to launch a new feature for its weekly watch: **the Resilience Index for Space Cybersecurity (RISC)!** This cyber resilience index allows us to assess the state of each category identified by CyberInflight. A score is given out of 10 for each section, which is assessed on the information presented in each section. This week, there was more important regulatory news than usual, allowing us to score well. The same reasoning was applied to Market and Training. There was also more jamming and attack news, explaining the threat intel section's low score. This week we have a 60% RISC Index, which is a relatively good score, but leaves room for improvement!

### **Overview**

This week saw the release of 2 important announcements concerning space cybersecurity regulations. Firstly, the NIST National Cybersecurity Center of Excellence published the final version, NIST IR 8441, of the Cybersecurity Framework Profile for Hybrid Satellite Networks. Also this week, the European Commission launched a Targeted Stakeholder Consultation for an EU Space Law, which runs until November 2, 2023, and envisages common EU rules addressing the safety, resilience and sustainability of space activities and operations.

Earlier this week, the USSF and its partners decided to meet next month to discuss a strategy for supply chain resilience. In terms of threat intelligence, the Russian ransomware group Killnet has claimed responsibility for an attack on several US groups, including Lockheed Martin. CyberInflight also reported on a number of jamming-related news, and several attacks that took place. ESA is organizing a hacking contest to take control of a small rover. On the Market front, the USSF awarded several contracts this week, including the main one with John Hopkins University, to evaluate the software and cybersecurity of ground systems being developed for a new classified satellite network. Finally, on the technology front, L3Harris presented its Protected Tactical Waveform, providing warfighters with long-range, higher-bandwidth communication in the presence of jamming across all domains.

### **GEOPOLITIC**





### Space Force, partners to craft global supply chain strategy

U.S. Space Force officials will meet next month with industry leaders and key international partners to discuss a strategy for supply chain resiliency. #USSF #SupplyChain

Link: https://www.defensenews.com/battlefield-tech/space/2023/09/25/space-force-partners-to-craft-global-supplychain-strategy/

### REGULATION



# NIST NCCoE Publishes Final NIST IR 8441, Cybersecurity Framework Profile for Hybrid Satellite

The NIST National Cybersecurity Center of Excellence (NCCoE) has published Final NIST IR 8441, Cybersecurity Framework Profile for Hybrid Satellite Networks (HSN). #NIST #Cybersecurity

Link: https://www.nccoe.nist.gov/news-insights/nist-nccoe-publishes-final-nist-ir-8441-cybersecurity-framework-profilehybrid



### Launch of a Targeted Stakeholder Consultation for an EU Space Law

The Letter of Intent includes an initiative for an EU Space Law (EUSL). The legislative proposal could be adopted by the Commission in the first trimester of 2024. It envisages common EU rules addressing the safety, resilience and sustainability of space activities and operations. It intends to avoid and remove fragmentation and barriers across the single market caused by the heterogeneity or lack of national space legislations, while ensuring the competitiveness of the European space sector in an international trade context. #EU #SpaceLaw

Link: https://defence-industry-space.ec.europa.eu/targeted-consultation-eu-space-law\_en

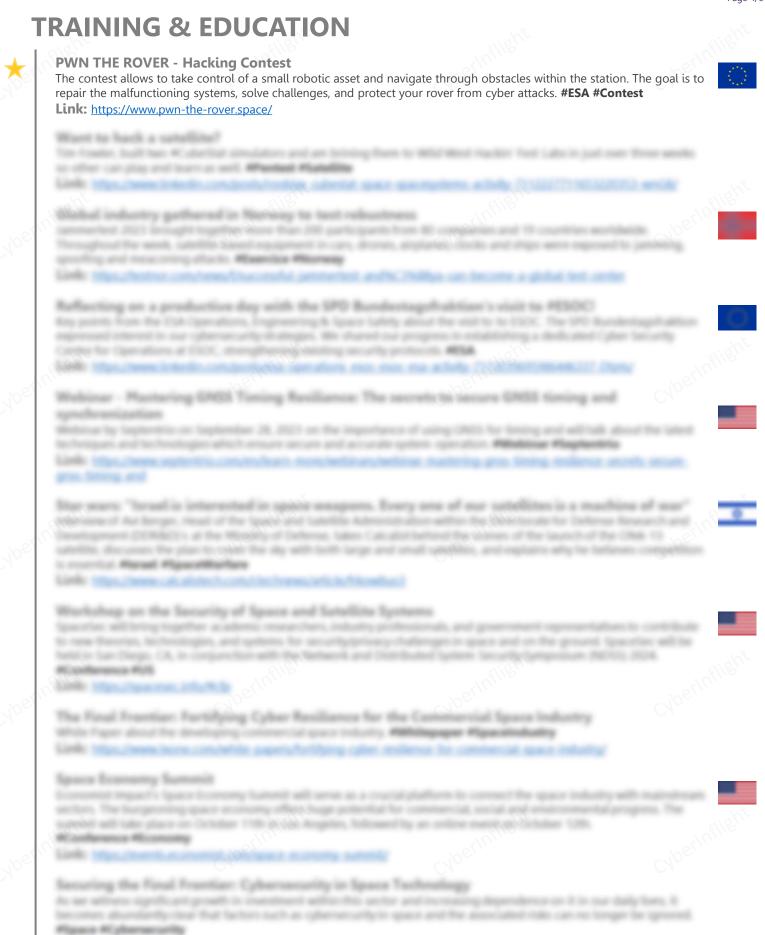


## THREAT INTELLIGENCE





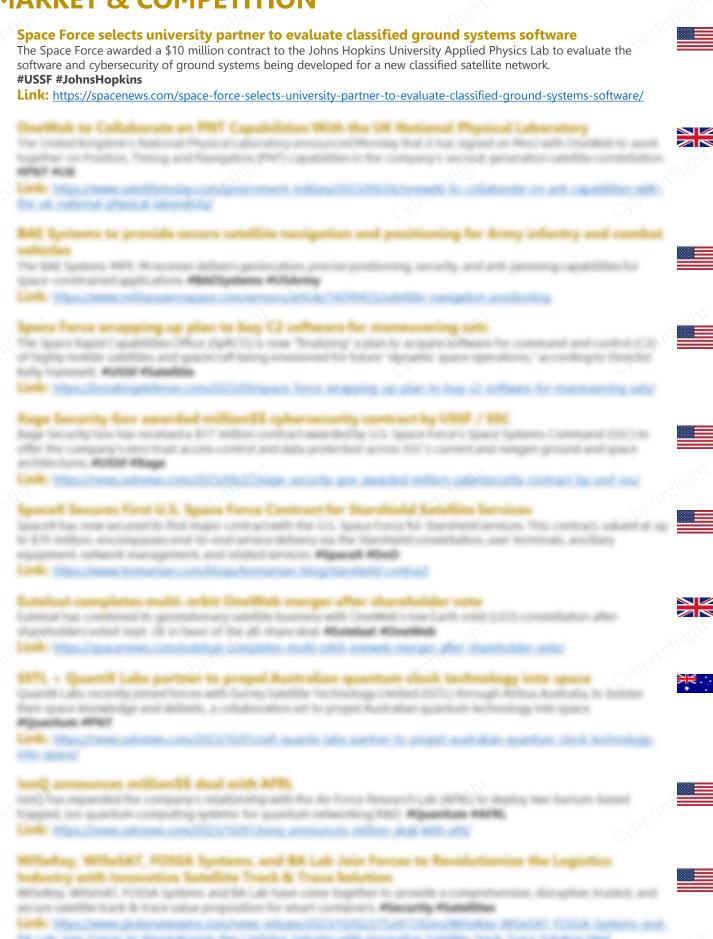
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## **MARKET & COMPETITION**







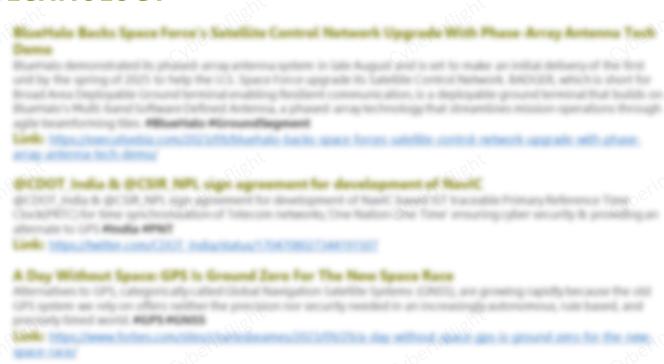
# Opportunity: Cybersecurity as Enabler for Secure Satellite Communications and Resilient Applications



This new Space Systems for Safety and Security (4S) Call for Proposals aims to foster the development of innovative satellite communications technologies, products, systems and downstream applications which address these challenges. **#ESA #CallforProposal** 

**Link:** <a href="https://connectivity.esa.int/opportunity-cybersecurity-enabler-secure-satellite-communications-and-resilient-applications">https://connectivity.esa.int/opportunity-cybersecurity-enabler-secure-satellite-communications-and-resilient-applications</a>

# **TECHNOLOGY**





### L3Harris breaks barriers in secure SATCOM with HAAM-R Modem at Northern Edge



L3Harris presented its Protected Tactical Waveform (PTW)-enabled HAAM-R modem. It provide warfighters long-range, higher-bandwidth communication in the presence of jamming across all domains. **#L3Harris #AntiJamming**Link: <a href="https://www.airforce-technology.com/news/l3harris-breaks-barriers-in-secure-satcom-with-haam-r-modem-at-northern-edge/">https://www.airforce-technology.com/news/l3harris-breaks-barriers-in-secure-satcom-with-haam-r-modem-at-northern-edge/</a>

