# SPACE CYBERSECURITY WEEKLY WATCH

Week 33

August 8 – 14, 2023

**Timeframe** : Weekly
**# of articles identified** : 15
**Est. time to read** : 35 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
- TECHNOLOGY
- THREAT INTELLIGENCE
- REGULATION
- TRAINING & EDUCATION
- IMPORTANT NEWS

## Overview

In this watch there aren't as many new articles in the field of space cybersecurity as in other weeks, and it's mainly US news, as there are several important conferences going on at the moment, such as Black Hat and Def Con. These two events have highlighted the need for cybersecurity on board satellites, via the Hack-A-Sat competition for Def Con and via a presentation by one of the researchers from Ruhr University Bochum in Germany for Black Hat. Also this week, DARPA decided to launch a new two-year competition to use artificial intelligence to help protect critical software and create new cybersecurity tools. Meanwhile, measures are being discussed in the US to protect commercial satellites. Another important piece of news this week is the release of the latest version of SPARTA, by the Aerospace Corporation. On the technological front, the Galileo project has developed an anti-spoofing service which will soon be available to the public. Japan has also launched a Quantum Cryptography Optical Communication Device.

## GEOPOLITIC

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### U.S. intelligence agencies take steps to protect commercial satellites

The National Reconnaissance Office, the National Geospatial-Intelligence Agency and U.S. Space Command signed an agreement to improve threat intelligence sharing with commercial satellite operators. **#Satellite #InformationSharing**
**Link:** https://spacenews.com/u-s-intelligence-agencies-take-steps-to-protect-commercial-satellite-operators/

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## TECHNOLOGY

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# TECHNOLOGY

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# THREAT INTELLIGENCE

**Satellite hack on eve of Ukraine war was a coordinated, multi-pronged assault**
The cyberattack that crippled satellite communications on the eve of the Ukraine war was more broad than initially understood and carried out by attackers with detailed knowledge of the compromised system, an executive with Viasat, whose modems were targeted in the attack, revealed during a talk Thursday at the Black Hat cybersecurity conference in Las Vegas. **#Cyberattack #Viasat**
**Link:** https://cyberscoop.com/viasat-ka-sat-hack-black-hat/

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**Want to pwn a satellite? Turns out it's surprisingly easy**
In a presentation at the Black Hat security conference in Las Vegas, Johannes Willbold, a PhD student at Germany's Ruhr University Bochum, explained he had been investigating the security of satellites. **#BlackHat**
**Link:** https://www.theregister.com/2023/08/11/satellite_hacking_black_hat/

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# REGULATION

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**Release of SPARTA version 1.4 !**
CyberInflight's analyse of the latest SPARTA version ! The evolution of SPARTA is a perfect illustration of how the cyber domain is increasingly taking into account the specificities of the space domain. This adaptation is carried out through multiple publications by NIST, MITRE and others. SPARTA is at the forefront of this trend and continues to include new elements to facilitate its use. **#SPARTA**
**Link:** https://www.linkedin.com/feed/update/urn:li:activity:7095695005641490433

# TRAINING & EDUCATION

**Hackers prepare to take on a satellite at DEF CON**
Hackers at DEF CON will compete to break into a cubesat dubbed Moonlighter at a one-of-a-kind capture the flag.
**#Hack-A-Sat**
Link: https://cyberscoop.com/hack-a-sat-moonlighter-def-con/

**The Cyber Satellite Threat with Mark Montgomery**
Podcast episode with Mark Montgomery about the different physical and cyber threats faced by satellites and space networks. **#Podcast #SpaceCybersecurity**
Link: https://www.forcepoint.com/resource/podcast/cyber-satellite-threat-mark-montgomery

**Hackers launch cyberattacks against US satellite, requested by Pentagon**
Hackers are competing to be the first to crack into a U.S. government satellite in a contest administrated by the Pentagon. Officials with the Air Force and Space Force organized the Las Vegas competition to hack into a functioning satellite currently orbiting the globe, which will pay out a $50,000 first prize. **#DEFCON #Hack-A-Sat**
**Link:** https://www.foxnews.com/tech/hackers-launch-cyberattacks-us-satellite-requested-pentagon

*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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