

SPACE CYBERSECURITY WEEKLY WATCH

Week 38

September 12 – 18, 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.



Overview

Timeframe: Weekly

of articles identified: 25

Est. time to read: 45 minutes

This week, the DoD released an unclassified strategy for protecting US military and intelligence-gathering satellites. At the same time, the USSF announced its intention to reorganize its command structure, with the creation of a specialized unit for each aspect of a mission. As part of this reorganization, two new divisions will be created: one for EW and the other for PNT. Also this week, Germany blocked China's complete takeover of a satellite start-up on national security grounds. A Microsoft report revealed that an Iranian cyber espionage group successfully compromised dozens of entities and exfiltrated data from a subset of them as part of a campaign targeting organizations in the satellite, defense and pharmaceutical sectors. On the market front, Northrop Grumman called on start-up GEOST to supply sensor payloads to protect missile-tracking satellites as part of its contract with the SDA. On the technological front, within AFRL, the US military wants to move beyond the GPS timing signal to compact "quantum clocks". Finally, a conference organized by ESA, in collaboration with ASI, will take place on September 28, 2023, on the subjects of users' cybersecurity needs and challenges for critical infrastructures, as well as current and future cybersecurity solutions.

GEOPOLITIC







Space Force to create "integrated" units responsible for acquisition, maintenance and operations

U.S. chief space operations Gen. Chance Saltzman on Sept. 12 announced the Space Force will experiment with a new command structure where a unit is responsible for all aspects of a mission area, including training, procurement and operations. Two integrated units will be established, each run by a Space Force colonel — one for space electronic warfare; and the other for positioning, navigation, and timing (PNT) satellites. #USSF #Deltas

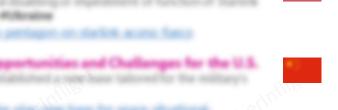
Link: https://spacenews.com/space-force-to-create-integrated-units-responsible-for-acquisition-maintenance-and-operations/



Germany blocks full Chinese takeover of satellite startup

Germany has blocked a complete Chinese takeover of a satellite startup on national security grounds, sources close to the matter told AFP Thursday, as Berlin takes an increasingly hard line against Beijing. **#China #Germany**

Link: https://techxplore.com/news/2023-09-germany-blocks-full-chinese-takeover.html



MARKET & COMPETITION

The People's Charalton-Antiq (PLA) Strategic Copport



GEOST sensors to detect interference will fly on SDA satellites

Northrop Grumman has tapped Tuscon-based startup GEOST to provide sensor payloads to protect the missile tracking satellites the defense behemoth is building for the Space Development Agency (SDA), GEOST announced Monday.

#SDA #GEOST

Link: https://breakingdefense.com/2023/09/geost-sensors-to-detect-interference-will-fly-on-sda-satellites/

THREAT INTELLIGENCE



Peach Sandstorm password spray campaigns enable intelligence collection at high-value targets

An Iranian cyber espionage group successfully compromised dozens of entities and exfiltrated data from a subset of them as part of a campaign targeting organizations in the satellite, defense and pharmaceutical sectors, Microsoft said in a report published Thursday. **#PeachSandstorm**

Link: https://www.microsoft.com/en-us/security/blog/2023/09/14/peach-sandstorm-password-spray-campaigns-enable-intelligence-collection-at-high-value-targets/





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TECHNOLOGY



Quantum clocks could revolutionize precision warfare within a decade: experts



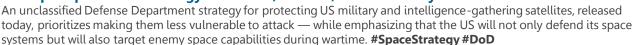
The US military wants to move beyond the GPS timing signal — which is accurate to less than 30 nanoseconds, and which enemies can jam — to compact "quantum clocks," small enough to fit in a missile warhead or small drone and accurate to the picosecond (one thousandth of a nanosecond) or beyond. **#Quantum #AFRL**

the picosecond (one thousandth of a nanosecond) or beyond. #Quantum #AFRL
Link: https://breakingdefense.com/2023/09/quantum-clocks-could-revolutionize-precision-warfare-with-a-decade-experts/

REGULATION



DoD space protection strategy: resilience, defense, and offense by another name



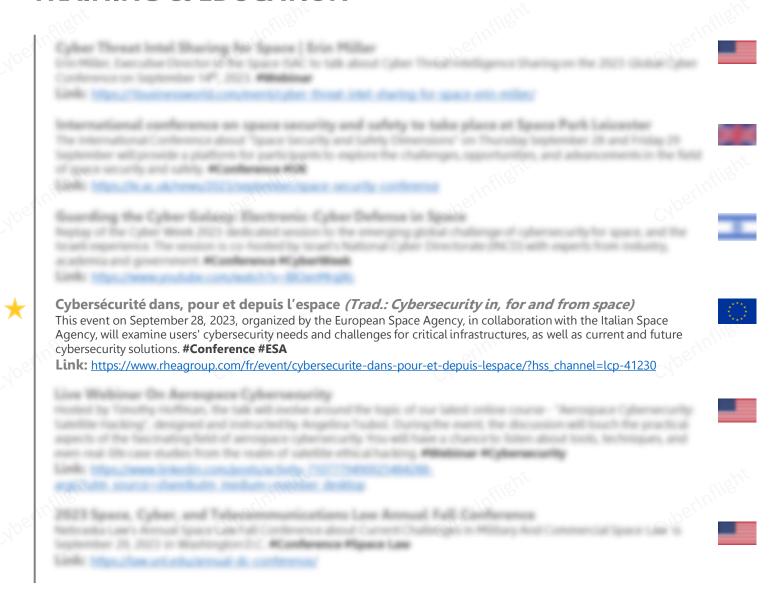
Link: https://breakingdefense.com/2023/09/dod-space-protection-strategy-resilience-defense-and-offense-by-another-name/





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TRAINING & EDUCATION



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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