



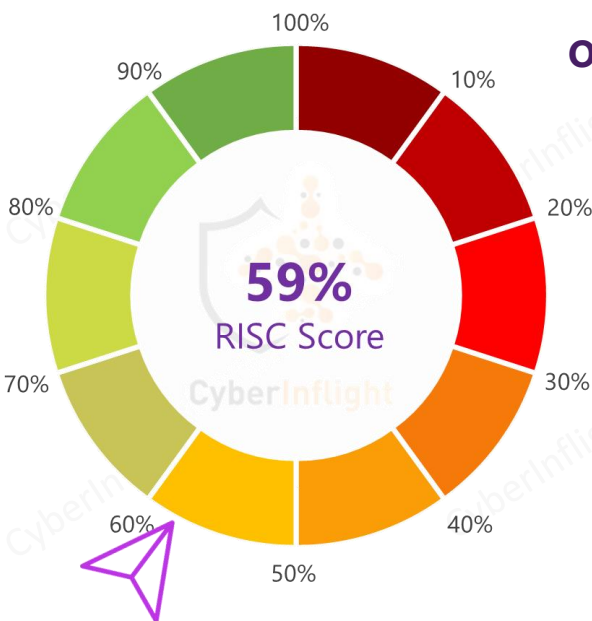
SPACE CYBERSECURITY WEEKLY WATCH

Week 14
April 2nd – 8, 2024

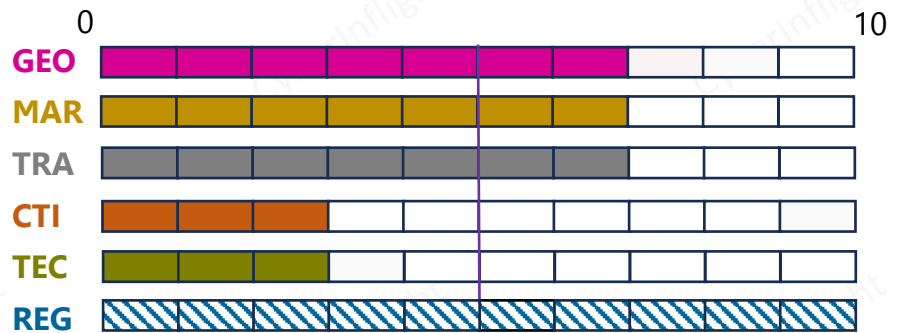
Timeframe : Weekly
of articles identified : 34
Est. time to read : 55 minutes

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

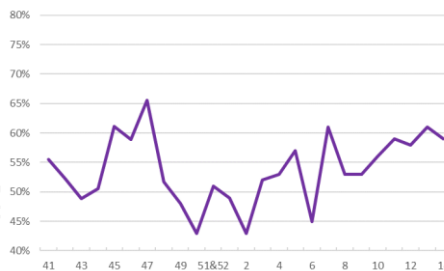
- GEOPOLITIC
- MARKET INTELLIGENCE
- TRAINING & EDUCATION
- THREAT INTELLIGENCE
- TECHNOLOGY
- ★ IMPORTANT NEWS



Overview & RISC Score



RISC Score Evolution



This W14 shows a little decrease from last week's RISC score (2%). It still manages to be on a higher level than last year same period, following the increasing tendency since W7.

↓ Decrease from last week (from 61% to 59%)

This week's RISC score is 59%. This week, an article was published about Iran's recent launch of three satellites into space, and the geopolitical concerns that resulted. Indeed, with Iranian nuclear and satellite capabilities on the rise, Israel and Western entities should remain watchful for potential indirect attempts to disrupt Israeli and Western equivalents. On the market front, The U.S. Space Force and U.S. Space Command submitted a combined \$2.3 billion in "unfunded requirements" to Congress, with the vast majority of the funds requested for classified programs aimed at space control, space superiority, and space domain awareness. On the Technology front, during Russia's war against Ukraine and its geopolitical confrontation with the West, Moscow has learned not only to circumvent sanctions to procure the necessary technical equipment, but also to produce technological products for the American market jointly. In addition, Iran's recent SLV launches and its purported ability to put multiple satellites into space are troubling for four main reasons. Finally, Iran's electronic warfare systems are actively jamming GPS signals near the Persian Gulf. This suggests potential military activity in the Middle East region and could potentially impact maritime and aviation navigation.



GEOPOLITIC

Presenting a "Space Pearl Harbor" - Rep. Turner leads the charge

Rep. Turner (R-TX) introduced legislation on Wednesday that would require the U.S. Space Force to conduct a "Space Pearl Harbor" study. The bill, H.R. 5000, would require the Space Force to conduct a study on the potential for a "Space Pearl Harbor" attack on the United States. The bill also requires the Space Force to report to Congress on the results of the study. Turner said the bill is necessary to ensure the United States is prepared for a potential attack on its space assets.



US Releases Strategy to Bolster Efforts to Leverage Commercial Space Sector

The U.S. Space Force has released a strategy to leverage the commercial space sector. The strategy, titled "Commercial Space Strategy," outlines the Space Force's efforts to partner with commercial space companies to enhance national security. The strategy includes initiatives such as increasing the number of commercial satellites in orbit and developing new commercial space capabilities.



White House US expects Russia's vote on UN resolution to ban nuclear weapons in space

The White House has said it expects Russia to vote in favor of a UN resolution to ban nuclear weapons in space. The resolution, which was adopted by the UN General Assembly, calls for a ban on the testing, use, and deployment of nuclear weapons in outer space. The White House said it is pleased that the resolution has been adopted and that it will continue to work with other countries to ensure the resolution is implemented.



Satellite cybersecurity, Iran, and the Israel-Hamas war

In light of Iran's recent launch of three satellites into space, geopolitical concerns could increase surrounding the country's intermittent threats toward the West and Israel amidst the post-October 7 Israel-Hamas war. Indeed, despite Tehran thus far avoiding direct involvement in the war, Iran has loomed via proxies such as Hamas and Yemen's Houthi rebels to intimidate both Israel as well as the U.S. for its support of Israel. With Iranian nuclear and satellite capabilities on the rise, Israel and Western entities should remain watchful for potential indirect attempts to disrupt Israeli and Western equivalents, particularly for communication and surveillance hindrance purposes in the face of Israeli attacks on Iranian military personnel. **#Iran #Israel**



Link: <https://www.geopoliticalmonitor.com/satellite-cybersecurity-iran-and-the-israel-hamas-war/>

Not enough war on the ground, the US is talking it to space

The U.S. Space Force is launching a new satellite to support its operations in space. The satellite, known as the "Space Force Satellite," will be used to monitor and track objects in space. The Space Force said the satellite will be launched in the next few weeks.



India's private space sector opened in last decade

India's private space sector has opened in the last decade. The government has approved the establishment of a private space agency, which will be responsible for launching and operating Indian satellites. The private space agency is expected to be established in the next few years.



South Korea launches second spy satellite into orbit

South Korea has launched its second spy satellite into orbit. The satellite, known as the "Korea-2" satellite, will be used to monitor and track objects in space. The satellite was launched by the South Korean government in the next few weeks.



China is providing satellite intelligence for military purposes to Russia, US warns

The U.S. Space Force has warned that China is providing satellite intelligence for military purposes to Russia. The Space Force said that China has been providing Russia with satellite intelligence that is being used to track and monitor U.S. military operations. The Space Force said it is concerned that this intelligence could be used to launch a surprise attack on the United States.





GEOPOLITIC

The House is getting its own space bill, White House wants to delay Senate

The House is getting its own space bill, while the White House wants to delay the Senate's bill. The House bill, H.R. 2631, is a reauthorization of the National Space Council and the National Space Security Council. It also includes provisions for the National Space Security Council to conduct a study on the security of the space-based information systems. The White House wants to delay the Senate's bill, S. 1042, which is a reauthorization of the National Space Council and the National Space Security Council. The White House wants to delay the Senate's bill because it is concerned about the impact of the bill on the space-based information systems.

White House Press Release

[Link: https://www.whitehouse.gov/the-press-office/2024/04/02/2024-04-02-space-bill](#)



MARKET & COMPETITION



Space Force, Space Command seek over \$2 billion for unfunded programs to counter anti-satellite threats

The U.S. Space Force and U.S. Space Command submitted a combined \$2.3 billion in "unfunded requirements" to Congress last week, with the vast majority of the funds requested for classified programs aimed at space control, space superiority, and space domain awareness. These are broad categories of technologies sought by the military to protect U.S. assets in orbit from anti-satellite weapons being developed by China and Russia. **#USSF #USSC**

Link: <https://spacenews.com/space-force-space-command-seek-over-2-billion-for-unfunded-programs-to-counter-anti-satellite-threats/>



White House unveils \$1.1 billion satellite program for its world-leading Starlink TV and Starlink 5G platforms

The White House unveiled a \$1.1 billion satellite program for its world-leading Starlink TV and Starlink 5G platforms. The program is part of the National Space Security Council's efforts to protect U.S. assets in orbit from anti-satellite weapons being developed by China and Russia. The program will fund the development of new satellite technologies and the deployment of new satellites.

Link: [https://www.whitehouse.gov/the-press-office/2024/04/02/2024-04-02-satellite-program](#)



European Union's Space International Security European Defense Agency Contract for Planning

The European Union's Space International Security European Defense Agency Contract for Planning is a new contract for the development of a space-based information system. The contract is part of the European Union's efforts to protect U.S. assets in orbit from anti-satellite weapons being developed by China and Russia. The contract will fund the development of new satellite technologies and the deployment of new satellites.

International Security

Link: [https://www.european-council.europa.eu/media/en/press-room/default.aspx?id=14684](#)



White House unveils satellite program to monitor Russian satellite fleet and location (DOD)

The White House unveiled a satellite program to monitor Russian satellite fleet and location. The program is part of the National Space Security Council's efforts to protect U.S. assets in orbit from anti-satellite weapons being developed by China and Russia. The program will fund the development of new satellite technologies and the deployment of new satellites.

Link: [https://www.whitehouse.gov/the-press-office/2024/04/02/2024-04-02-satellite-program](#)



US Army awards \$12 million contract extension to Star to create engine, engine satellite

The US Army awarded a \$12 million contract extension to Star to create an engine and engine satellite. The contract is part of the US Army's efforts to protect U.S. assets in orbit from anti-satellite weapons being developed by China and Russia. The contract will fund the development of new satellite technologies and the deployment of new satellites.

Link: [https://www.army.mil/press-releases/2024/04/02/2024-04-02-satellite-program](#)



US Department of Defense - Connected Earth Network launches to enable communication through space

The US Department of Defense's Connected Earth Network launches to enable communication through space. The network is part of the US Department of Defense's efforts to protect U.S. assets in orbit from anti-satellite weapons being developed by China and Russia. The network will fund the development of new satellite technologies and the deployment of new satellites.

Link: [https://www.defense.gov/Newsroom/News-Transcripts/Transcript.aspx?transcriptid=488888](#)





MARKET & COMPETITION

US Space Agency provides 2024-2025 through awarding investment program

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Space, Defense and Customs demonstrate virtualized satellite ground system for US Army

Space, Defense & Security Institute, United States Army, and United States Customs and Border Protection... The program is designed to support the development of new space technologies and services... The program is designed to support the development of new space technologies and services... The program is designed to support the development of new space technologies and services...



US Mission Launches New Department Funding for US Investment

The US government has announced a new investment program... The program is designed to support the development of new space technologies and services... The program is designed to support the development of new space technologies and services... The program is designed to support the development of new space technologies and services...



TECHNOLOGY



Russian tech company Planar defies sanctions as its American subsidiary supplies US Air Force and NASA

During Russia's war against Ukraine and its geopolitical confrontation with the West, Moscow has learned not only to circumvent sanctions to procure the necessary technical equipment but also to jointly produce technological products for the American market. These are the findings of our OSINT investigation and materials from the array of documents posted online by the well-known Ukrainian hackers Cyber Resistance. #Russia #Planar



Link: <https://informnapalm.org/en/russian-tech-company-planar-defies-sanctions-as-its-american-subsiary-supplies-us-air-force-and-nasa/>

Denmark has had the solution to GPS jamming for over a year. We are waiting for a report

The solution to GPS jamming has been found... The solution is designed to support the development of new space technologies and services... The solution is designed to support the development of new space technologies and services... The solution is designed to support the development of new space technologies and services...



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TRAINING & EDUCATION

Using large language models to protect satellites from attack
The National Security Agency (NSA) is using large language models (LLMs) to protect satellites from attack. The LLMs are trained on a vast amount of data, including satellite communications and other intelligence. This allows the LLMs to detect and respond to threats in real-time. The NSA is also using LLMs to analyze satellite data and identify potential threats. This is a significant step in the development of AI-powered satellite security.



Advancements in satellite technology allow of space and Earth observation with Next-Gen
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AI-powered the foreign, the field, and the way
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AI-powered Detection by Combining Double Differential Processing Spatial Distribution
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It is the cornerstone of cybersecurity, space and national security in the digital age
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Detection of Spoofing Attacks on Global Navigation Satellite Systems Using Adaptive Signal
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Using large language models to protect satellites from attack



Bolster sanctions to stop Iran's growing military space capabilities

Iran has claimed a string of achievements in space in recent months. In February, Russia reportedly assisted Iran with launching a satellite into space from a Russian site. Iran claimed in September that it successfully used a space launch vehicle, or SLV, to place a military satellite in space. Iranian officials then asserted in January that it put multiple satellites into orbit in a single launch for the first time. Iran's recent SLV launches, and its purported ability to put multiple satellites into space, are troubling for four main reasons. **#Iran #SpaceCapabilities**



Link: <https://jinsa.org/bolster-sanctions-to-stop-irans-growing-military-space-capabilities/>



TRAINING & EDUCATION

U.S. Space Force Announces 2024 Training Program
The U.S. Space Force has announced its 2024 training program, which will focus on enhancing the skills of its personnel in various areas, including space operations, cybersecurity, and intelligence gathering. The program will include a variety of courses and exercises, both in-person and online, designed to prepare personnel for the challenges of the space domain.

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THREAT INTELLIGENCE



Iran's electronic warfare systems are actively jamming GPS signals near the Persian Gulf

This suggests potential military activity in the Middle East region. This development raises concerns and could potentially impact maritime and aviation navigation. **#Iran #GNSSjamming**

Link: <https://twitter.com/GaroweOnline/status/1775708031235362923>



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