



# SPACE CYBERSECURITY WEEKLY WATCH

Week 17

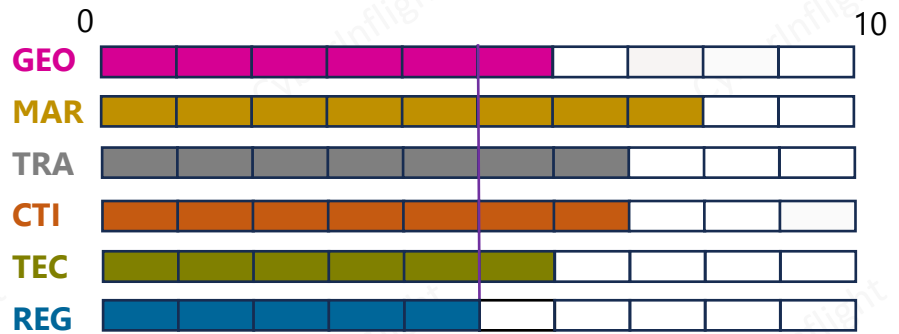
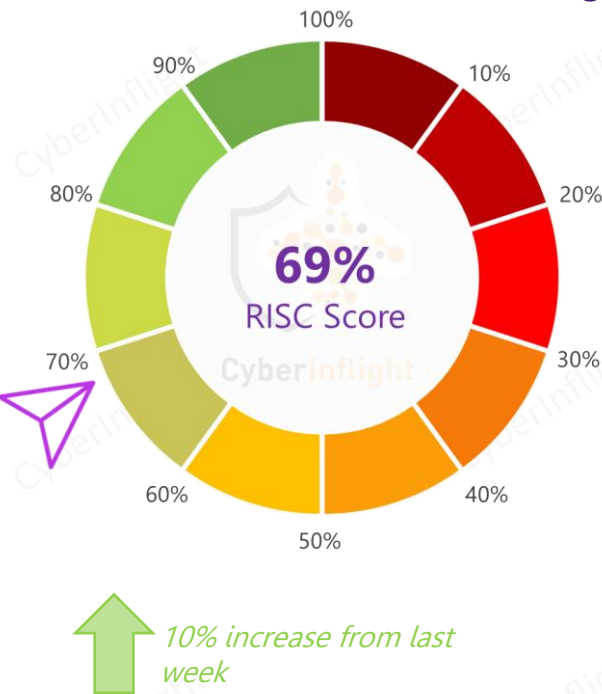
April 23 – 29, 2024

Timeframe : Weekly  
# of articles identified : 39  
Est. time to read : 1h15

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
- REGULATION
- ★ IMPORTANT NEWS

## Overview & RISC Score



### RISC Score Evolution



This W17 shows a 10% RISC Score increase from last week's. This evolution is due partly thanks to the CYSAT event, which led to many good news in the space cybersecurity sector. This score is the highest it has been since beginning of 2024.

This week's RISC score is 69%. This week, the CyberInflight team attended the CYSAT 2024 event. During this event, our CEO hosted a session about the 2023 highlights of the space security market, and monitored a Panel about "Collective Intelligence and Space ISAC: A Platform for Resilience and Sovereignty. In addition, South Korea and the United States have conducted joint space exercises against North's GPS jamming threats and other space-based threats. On the market front, DISC has formed more strategic partnerships enabling eClypse to be tested in space. With interest increasing overseas, DISC is now planning its expansion to Europe. Additionally, the EU Space ISAC, a collaborative initiative for EU space sector companies to foster exchanges, raise awareness and share best practices to strengthen their security, holds its inaugural Board Meeting. On the regulatory front, UK's independent Regulatory Horizons Council (RHC) unveils new recommendations for future regulation of space technologies. The Council has published a report on the future regulation of space technologies, including 40 recommendations for the Government to consider. On the Technology front, operational data company Shift5 developed a new tool for detection and mapping GPS spoofing. Described as a first of its kind, the platform applies to both commercial and military systems than span air, ground, rail, maritime and space. Finally, SpaceX has allegedly met with a cybersecurity incident, involving a data breach with Hunters International, a notorious hacking group that reportedly posted samples of SpaceX data breach.



# CYBERINFLIGHT'S NEWS



## CyberInflight attending CYSAT

From April 24<sup>th</sup> to 25<sup>th</sup>, CyberInflight was present at the CYSAT event, dedicated to cybersecurity for the space industry. Florent Rizzo hosted a session about the 2023 highlights of the space security market, and spoke during a Panel about "Collective Intelligence and Space ISAC: A Platform for Resilience and Sovereignty". **#CYSAT #SpaceCybersecurity**

**Link:** <https://www.linkedin.com/feed/update/urn:li:activity:7188807446801391616>



## GEOPOLITIC



### North Korea continues plan to bolster space reconnaissance capabilities

North Korea continues its plan to bolster its space reconnaissance capabilities, according to a report from the South Korean Ministry of Defense. The report states that North Korea has been conducting various space-related activities, including launching satellites and testing space-based reconnaissance systems.

**Link:** [https://www.koreajoongangdaily.co.kr/us/2024-04-24/national/defense/North-Korea-continues-plan-to-bolster-space-reconnaissance-capabilities/2032687](#)



### South Korea, US conduct space training against North's GPS jamming threats

South Korea and the United States have conducted joint space exercises to fend off North Korea's global positioning system (GPS) jamming attacks and other space-based threats, the Air Force said on April 24<sup>th</sup>. The Air Force's Space Operation Squadron and the U.S. Space Forces Korea formed an integrated team to conduct the training as part of the Korea Flying Training (KFT), an annual large-scale air power drill. **#US #SouthKorea**

**Link:** <https://koreajoongangdaily.joins.com/news/2024-04-24/national/defense/South-Korea-US-conduct-space-training-against-Norths-GPS-jamming-threats/2032687>



### US commander sees "accelerating" development of China's space power

US commander in chief sees "accelerating" development of China's space power, according to a report from the South Korean Ministry of Defense. The report states that China has been conducting various space-related activities, including launching satellites and testing space-based reconnaissance systems.

**Link:** [https://www.koreajoongangdaily.co.kr/us/2024-04-24/national/defense/US-commander-sees-accelerating-development-of-china-s-space-power/2032687](#)



### Space Operations Command takes control of Space Based Infrared System

The United States Space Force's Space Operations Command (SOC) has successfully transferred the control of the Space Based Infrared System (SBIRS) to the Space Operations Command after completing a successful test period. The transfer is the Space Operations Command's third SBIRS test period and marks a significant milestone in the program's development.

**Link:** [https://www.koreajoongangdaily.co.kr/us/2024-04-24/national/defense/Space-Operations-Command-takes-control-of-Space-Based-Infrared-System/2032687](#)



### US achieves operational acceptance of GPS Next-Generation Receiver (NGR) on F-35

The United States Space Force's Space Operations Command (SOC) has successfully transferred the control of the GPS Next-Generation Receiver (NGR) to the Space Operations Command after completing a successful test period. The transfer is the Space Operations Command's third NGR test period and marks a significant milestone in the program's development.

**Link:** [https://www.koreajoongangdaily.co.kr/us/2024-04-24/national/defense/US-achieves-operational-acceptance-of-GPS-Next-Generation-Receiver-NGR-on-F35/2032687](#)



# MARKET & COMPETITION

## ESA Signs and ESA Signs sign Memorandum of Understanding for satellite ground station facilities program

The European Space Agency (ESA) and the European Union (EU) have signed a Memorandum of Understanding (MoU) for the development of satellite ground station facilities. The MoU covers the period from 2024 to 2028 and aims to enhance the capabilities of the European ground station network. The MoU also covers the development of a common ground station architecture and the implementation of a common ground station architecture. The MoU also covers the development of a common ground station architecture and the implementation of a common ground station architecture.

**Keywords:** ESA, EU, MoU, satellite ground station facilities program

**Link:** [https://www.esa.int/ESA\\_Media/Press\\_Releases/2024/04/esa\\_eu\\_mou\\_satellite\\_ground\\_station\\_facilities\\_program](#)



## ESA and ESAF to develop payload for Europe's ESAF-1 quantum cryptography satellite system

The European Space Agency (ESA) and the European Space Agency (ESA) have signed a Memorandum of Understanding (MoU) for the development of a quantum cryptography satellite system. The MoU covers the period from 2024 to 2028 and aims to enhance the capabilities of the European quantum cryptography satellite system. The MoU also covers the development of a common quantum cryptography satellite system architecture and the implementation of a common quantum cryptography satellite system architecture.

**Keywords:** ESA, ESAF, MoU, quantum cryptography satellite system

**Link:** [https://www.esa.int/ESA\\_Media/Press\\_Releases/2024/04/esa\\_esaf\\_mou\\_quantum\\_cryptography\\_satellite\\_system](#)



## ESA market to reach 150 billion by 2027 fueled by autonomous vehicles and location-based services

The European Space Agency (ESA) has released a report on the state of the European space market. The report shows that the European space market is expected to reach 150 billion by 2027, fueled by autonomous vehicles and location-based services. The report also shows that the European space market is expected to reach 150 billion by 2027, fueled by autonomous vehicles and location-based services.

**Keywords:** ESA, market, 150 billion, 2027, autonomous vehicles, location-based services

**Link:** [https://www.esa.int/ESA\\_Media/Press\\_Releases/2024/04/esa\\_market\\_reach\\_150\\_billion\\_by\\_2027\\_fueled\\_by\\_autonomous\\_vehicles\\_and\\_location\\_based\\_services](#)

## ESA signs agreement with UAE to offer potential satellite navigation and cybersecurity services

The European Space Agency (ESA) has signed an agreement with the United Arab Emirates (UAE) to offer potential satellite navigation and cybersecurity services. The agreement covers the period from 2024 to 2028 and aims to enhance the capabilities of the European satellite navigation and cybersecurity services. The agreement also covers the development of a common satellite navigation and cybersecurity services architecture and the implementation of a common satellite navigation and cybersecurity services architecture.

**Link:** [https://www.esa.int/ESA\\_Media/Press\\_Releases/2024/04/esa\\_signs\\_agreement\\_with\\_uae\\_to\\_offer\\_potential\\_satellite\\_navigation\\_and\\_cybersecurity\\_services](#)



## The National Physical Laboratory (NPL) and ESA collaborate to develop the next generation of GNSS technology

The National Physical Laboratory (NPL) and the European Space Agency (ESA) have collaborated to develop the next generation of GNSS technology. The collaboration covers the period from 2024 to 2028 and aims to enhance the capabilities of the European GNSS technology. The collaboration also covers the development of a common GNSS technology architecture and the implementation of a common GNSS technology architecture.

**Keywords:** NPL, ESA, GNSS technology

**Link:** [https://www.esa.int/ESA\\_Media/Press\\_Releases/2024/04/npl\\_esf\\_collaborate\\_to\\_develop\\_the\\_next\\_generation\\_of\\_gnss\\_technology](#)



## European Commission makes 170 million investment in AI, quantum research under Horizon Europe program

The European Commission has announced a 170 million investment in AI and quantum research under the Horizon Europe program. The investment covers the period from 2024 to 2028 and aims to enhance the capabilities of the European AI and quantum research. The investment also covers the development of a common AI and quantum research architecture and the implementation of a common AI and quantum research architecture.

**Keywords:** European Commission, 170 million, investment, AI, quantum research, Horizon Europe program

**Link:** [https://www.esa.int/ESA\\_Media/Press\\_Releases/2024/04/european\\_commission\\_makes\\_170\\_million\\_investment\\_in\\_ai\\_quantum\\_research\\_under\\_horizon\\_europe\\_program](#)



## Common satellite and Marine Technologies join forces to bring AI to space

Common satellite and Marine Technologies (CSMT) has joined forces with the European Space Agency (ESA) to bring AI to space. The collaboration covers the period from 2024 to 2028 and aims to enhance the capabilities of the European AI to space. The collaboration also covers the development of a common AI to space architecture and the implementation of a common AI to space architecture.

**Link:** [https://www.esa.int/ESA\\_Media/Press\\_Releases/2024/04/common\\_satellite\\_and\\_marine\\_technologies\\_join\\_forces\\_to\\_bring\\_ai\\_to\\_space](#)







# MARKET & COMPETITION

## U.S. Space Ministry of Digital government partners with Space ISAC

The U.S. Space Force and the U.S. Space Information Security Agency (Space ISAC) have announced a partnership to enhance the security of space and cyber operations. This partnership will focus on sharing information and resources to protect the nation's space-based assets and the data they collect and transmit.

**Link:** [https://www.spaceforce.mil/News/Space-Force-and-Space-ISAC-Partner-to-Enhance-Security-of-Space-and-Cyber-Operations](#)



## Defense and Homeland Security partners with industry to help expedite the completion of DISCIS

The Department of Defense and the Department of Homeland Security have announced a partnership with industry to help expedite the completion of the Defense Information Security Center (DISCIS). This partnership will focus on sharing information and resources to protect the nation's space-based assets and the data they collect and transmit.

**Link:** [https://www.defense.gov/Newsroom/News-Story/Article/ID/281234/Defense-and-Homeland-Security-Partners-with-Industry-to-Help-Expedite-the-Completion-of-DISCIS](#)



## Canada's DISC eClypse achieves TRL 6 milestone for onboard satellite Intrusion Detection System ready now for in-orbit testing partners

After years of development and testing on multiple flat sats in their Space Lab, DISC is excited to form more strategic partnerships enabling eClypse to be tested in space. With interest increasing overseas, DISC is now planning its expansion to Europe. #DISC #eClypse

**Link:** <https://news.satnews.com/2024/04/25/canadas-disc-eclipse-achieves-trl-6-milestone-for-onboard-satellite-intrusion-detection-system-ready-now-for-in-orbit-testing-partners/>



## Delivering commercial space to US military is a strategic shift

The U.S. Space Force is making a strategic shift to deliver commercial space to the U.S. military. This shift will focus on sharing information and resources to protect the nation's space-based assets and the data they collect and transmit.

**Link:** [https://www.spaceforce.mil/News/Space-Force-Making-Strategic-Shift-to-Deliver-Commercial-Space-to-US-Military](#)



## ESA's Space Strategy is strategic partnership with Space-based Services in the Space sector

The European Space Agency (ESA) has announced a strategic partnership with Space-based Services in the Space sector. This partnership will focus on sharing information and resources to protect the nation's space-based assets and the data they collect and transmit.

**Link:** [https://www.esa.int/ESA\\_Media/Press\\_Releases/2024/04/ESA\\_Space\\_Strategy\\_is\\_strategic\\_partnership\\_with\\_Space-based\\_Services\\_in\\_the\\_Space\\_sector](#)



# TRAINING & EDUCATION

## Space ISAC offers new educational program

The U.S. Space Information Security Agency (Space ISAC) has announced a new educational program. This program will focus on sharing information and resources to protect the nation's space-based assets and the data they collect and transmit.

**Link:** [https://www.spaceforce.mil/News/Space-ISAC-offers-new-educational-program](#)

## Defense and Homeland Security partners with industry to help expedite the completion of DISCIS

The Department of Defense and the Department of Homeland Security have announced a partnership with industry to help expedite the completion of the Defense Information Security Center (DISCIS). This partnership will focus on sharing information and resources to protect the nation's space-based assets and the data they collect and transmit.

**Link:** [https://www.defense.gov/Newsroom/News-Story/Article/ID/281234/Defense-and-Homeland-Security-Partners-with-Industry-to-Help-Expedite-the-Completion-of-DISCIS](#)



## Space ISAC conducts successful TTR at DISCIS Conference

The U.S. Space Information Security Agency (Space ISAC) has conducted a successful Tabletop Exercise (TTR) at the DISCIS Conference. This exercise will focus on sharing information and resources to protect the nation's space-based assets and the data they collect and transmit.

**Link:** [https://www.spaceforce.mil/News/Space-ISAC-conducts-successful-TTR-at-DISCIS-Conference](#)





# TRAINING & EDUCATION



## EU Space Information Sharing Analysis Center holds inaugural Board Meeting

Stemming from the EU Space Strategy for Security and Defence and facilitated by the European Commission and the EU Agency for the Space Program (EUSPA), the EU Space ISAC is a collaborative initiative for EU space sector companies to foster exchanges, raise awareness and share best practices to strengthen their security. This cooperation, within the private ecosystem but also with public entities, aims at improving the overall resilience of the EU space sector and thus better prevent, tackle and mitigate security-related challenges, including cybersecurity. #EUSpaceISAC #EUSPA

**Link:** <https://www.satelliteevolution.com/post/eu-space-information-sharing-and-analysis-centre-isac-holds-inaugural-board-meeting>





# REGULATORY



## UK's independent Regulatory Horizons Council unveils new recommendations for future regulation of space technologies

The United Kingdom's Regulatory Horizon Council (RHC) – an independent committee, sponsored by the Department for Science, Innovation and Technology – has published a report on the future regulation of space technologies. The report includes 40 recommendations for the Government to consider. **#UK #RHC**



**Link:** <https://news.satnews.com/2024/04/25/uks-independent-regulatory-horizons-council-unveils-new-recommendations-for-future-regulation-of-space-technologies/>



# TECHNOLOGY



## Shift5 unveils tech for GPS spoofing detection and mapping

Onboard operational data company Shift5 has developed a new tool for detection and mapping GPS spoofing, the firm announced on April 25<sup>th</sup>. Described by Shift5 as a first of its kind, the platform-agnostic solution- dubbed the GPS Integrity Module – applies to both commercial and military systems than span air, ground, rail, maritime and space.



**#Shift5 #GPSspoofing**

**Link:** <https://defensescoop.com/2024/04/25/shift5-gps-integrity-module-spoofing-detection-mapping/>



# THREAT INTELLIGENCE

## Israel is affected by GPS spoofing activities

Israel is affected by GPS spoofing activities. The report details how GPS spoofing is used to disrupt GPS signals, which can be used for navigation and timing. This is a significant threat to Israel's infrastructure and military operations. The report also discusses the potential for GPS spoofing to be used in other regions.



## SpaceX data breach back from the dead: Hunters International posts alleged stolen information

SpaceX, the aerospace manufacturer and space transport services company founded by Elon Musk, has allegedly met with a cybersecurity incident, involving a data breach with Hunters International, a notorious hacking group that reportedly posted samples of SpaceX data breach. #SpaceX #DataBreach



**Link:** <https://www.middleeastmonitor.com/20240425-israel-spoofs-gps-signals-amid-gaza-onslaught/>

*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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