



SPACE CYBERSECURITY WEEKLY WATCH

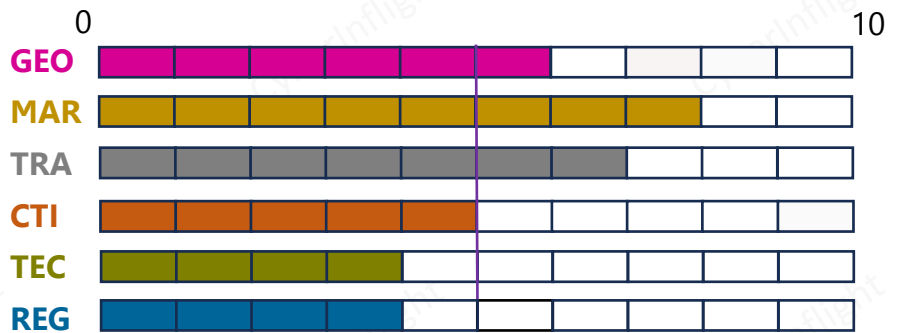
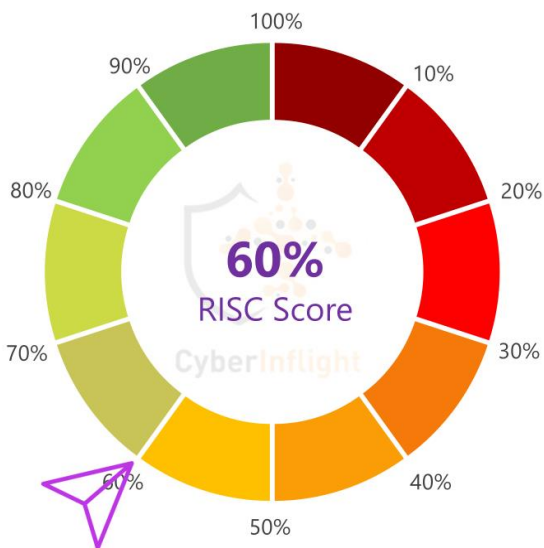
Week 15
April 9 – 15, 2024

Timeframe : Weekly
of articles identified : 38
Est. time to read : 1h15min

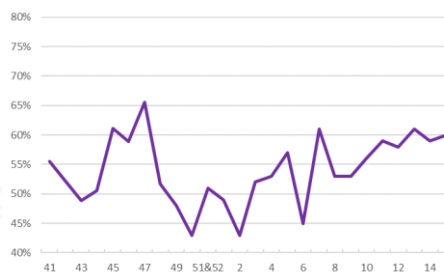
Articles, company's communications, whitepapers, academic works, podcast, and sources not to be missed on the topic of space cybersecurity over a specified timeframe.

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

Overview & RISC Score



RISC Score Evolution



This W15 shows a little increase from last week's RISC score (1%). It manages to be on a higher level than last year same period, following the increasing tendency since W7.

↑ Increase from last week (from 59% to 60%)

This week's RISC score is 60%. This week, an article was published about the United States losing its GPS dominance over China's Beidou satellite navigation. On the market front, the Space ISAC has announced its signature of a Memorandum of Understanding (MOU) with the French Space Agency, the Centre National D'Etudes Spatiales (CNES). In addition, in a discussion at the Space Symposium in Colorado Springs, a panel of military space force and space command leaders from six different countries emphasized that international military collaboration is critical to ensure the safety and security of space. The US is in a leadership position for initiating and developing collaborations, with the United Nations looking to take on a bigger role. On the Technology front, Eutelsat Group announced that its LEO satellite unit OneWeb is providing broadband services in Antarctica for the British Antarctic Survey (BAS) on a trial basis. The service provides LEO satellite connectivity to the BAS-operated Rothera Research Station. Delays are to be expected concerning the IRIS2 framework, a massive European project providing an independent broadband-by-satellite service for the military, governments, and consumers. Finally, Israeli intelligence jammed the country's GPS navigation system signals in the days counting down to the Iran attack to confuse its missile targeting teams.

GEOPOLITIC

South Korea's air and space forces merge to happen this year

The Republic of Korea's air and space forces are set to merge this year, a move that will create a new joint command structure for the country's air and space operations. This is part of a broader effort to modernize the military and improve its ability to respond to a wide range of threats. [South Korea's Military](#)

Link: [https://www.korea.net/News/Defense/News/News-Content.nsf/eng/2024040901001](#)



Signing with U.S. on security issues further compromises Japan's credibility as a powerful country

Japan's signing of a security agreement with the U.S. has further compromised its credibility as a powerful country. The agreement, which focuses on security issues, is seen as a sign of Japan's dependence on the U.S. for its defense. This has led to criticism from both domestic and international observers. [The Japan Times](#)

Link: [https://www.japantimes.com/news/asia/japan-u-s-security-agreement-2024-04-09/](#)



US Space Force general says China's Space ambitions are manageable

The US Space Force general says China's Space ambitions are manageable. He believes that the US has the technology and resources to counter any potential threats from China in space. However, he also acknowledges the need for continued investment and innovation in space technology. [Space.com](#)

Link: [https://www.space.com/39321-space-force-general-says-chinas-space-ambitions-are-manageable](#)



★ America is losing its GPS dominance to China's BeiDou satnav

In the 20th century, the United States vied with the Soviet Union for space supremacy. Now, in the new century, America has a different rival — China — and a key battle is already brewing in the critical area of satellite navigation (satnav). Right now, the U.S. is falling behind. **#GPS #Beidou**

Link: <https://spacenews.com/america-losing-gps-dominance-china-beidou-satnav/>



South Korea launches second military spy satellite

South Korea has successfully launched its second military spy satellite. This satellite is designed to provide high-resolution intelligence on North Korea and other regional threats. The launch marks a significant step in South Korea's efforts to enhance its military capabilities. [The Korea Herald](#)

Link: [https://www.koreaherald.com/view.php?rid=KEYWORD_2024_04_09_010001](#)



US must be transparent about military programs for cooperation in space

The US must be transparent about military programs if it wants to cooperate in space with other countries. Lack of transparency is seen as a major barrier to international collaboration in space exploration and utilization. [The New York Times](#)

Link: [https://www.nytimes.com/2024/04/11/us/politics/us-space-transparency.html](#)



REGULATORY

★ IRIS2 already in trouble?

IRIS2, which is a massive European project to provide an independent broadband-by-satellite service for the military, governments and consumers, is facing some major headaches. It had been planned to be deployed by 2027, but the date is now extremely doubtful. **#IRIS2 #EU**

Link: <https://advanced-television.com/2024/04/12/iris2-already-in-trouble/>





MARKET & COMPETITION



French Space Agency, CNES, Signs MOU with Space ISAC

Space Information Sharing and Analysis Center (Space ISAC) is pleased to announce that they have signed a Memorandum of Understanding (MOU) with Centre National D'Etudes Spatiales (CNES). CNES is the government agency responsible for shaping and implementing France's space policy in Europe. Its task is to invent the space systems of the future, bring space technologies to maturity and guarantee France's independent access to space. #CNES #SpaceISAC

Link: <https://spaceisac.org/french-space-agency-cnes-signs-mou-with-space-isac/>





MARKET & COMPETITION

Northrop Grumman (NYSE: NOC) Space Systems Command awarded contract for building responsive space vehicle
The Space Systems Command (SSC) has awarded a contract to Northrop Grumman for the development and production of a responsive space vehicle. The contract is valued at approximately \$100 million and is for the development and production of a responsive space vehicle. The vehicle is designed to be launched and operated in orbit for a period of up to 12 months. The contract is the result of a competitive solicitation process. **Northrop Grumman**



Lockheed Martin (NYSE: LMT) awarded contract for building responsive space vehicle
The Space Systems Command (SSC) has awarded a contract to Lockheed Martin for the development and production of a responsive space vehicle. The contract is valued at approximately \$100 million and is for the development and production of a responsive space vehicle. The vehicle is designed to be launched and operated in orbit for a period of up to 12 months. The contract is the result of a competitive solicitation process. **Lockheed Martin**

Boeing (NYSE: BA) awarded contract for building responsive space vehicle
The Space Systems Command (SSC) has awarded a contract to Boeing for the development and production of a responsive space vehicle. The contract is valued at approximately \$100 million and is for the development and production of a responsive space vehicle. The vehicle is designed to be launched and operated in orbit for a period of up to 12 months. The contract is the result of a competitive solicitation process. **Boeing**



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Boeing (NYSE: BA) awarded contract for building responsive space vehicle
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United and European aerospace strategy (UES) to advance quantum space solutions and satellite technologies
The European Union (EU) has adopted a strategy for the development and use of quantum space solutions and satellite technologies. The strategy is part of the EU's broader efforts to advance its space capabilities and to ensure that it remains a global leader in space exploration and innovation. The strategy focuses on the development of quantum communication and navigation systems, as well as the use of satellite-based quantum technologies. **European Commission**



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US Space Agency enters cybersecurity partnership with Space ISAC
The National Aeronautics and Space Administration (NASA) has entered into a cybersecurity partnership with the Space Information Sharing and Analysis Center (Space ISAC). The partnership is designed to enhance the agency's ability to detect and respond to cyber threats to its space assets. The Space ISAC is a leading organization in the space cybersecurity community, and the partnership is expected to result in improved coordination and information sharing between the two organizations. **NASA**



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TRAINING & EDUCATION

Continued with activities in 2024. The focus remains on building capabilities in the field. The focus is on building capabilities in the field. The focus is on building capabilities in the field.



Development of practical satellite systems by distribution architectures for current and near future missions. The focus is on building capabilities in the field. The focus is on building capabilities in the field.



2024 spending decisions based on the interconnection angle between two directions of growth. The focus is on building capabilities in the field. The focus is on building capabilities in the field.



The Broadening Push for Building Space Collaborations Among Military Allies

International military collaboration is critical to ensure the safety and security of space, a panel of military space force and space command leaders from six different countries emphasized in a discussion at Space Symposium in Colorado Springs, Colorado on April 9. the US is in a leadership position for initiating and developing collaborations, with the United Nations looking to take on a bigger role. **#Military #Collaboration**



Link: <https://www.satellitetoday.com/government-military/2024/04/10/the-broadening-push-for-building-space-collaborations-among-military-allies/>

A question comparing ground to space. The focus is on building capabilities in the field. The focus is on building capabilities in the field.

Community Group. The focus is on building capabilities in the field. The focus is on building capabilities in the field.



Contribution design and performance of future quantum satellite ground stations. The focus is on building capabilities in the field. The focus is on building capabilities in the field.



The future of quantum computers. The focus is on building capabilities in the field. The focus is on building capabilities in the field.



TECHNOLOGY

★ Eutelsat OneWeb bring broadband to Antarctic research station

Eutelsat Group announced that its LEO satellite unit OneWeb is providing broadband services in Antarctica for British Antarctic Survey (BAS) on a trial basis. The service, which has been in operation since January 2024, provides LEO satellite connectivity to the BAS-operated Rothera Research Station, with data speeds up to 120 Mbps. **#Eutelsat #LEO**

Link: <https://developingtelecoms.com/telecom-technology/satellite-communications-networks/16541-eutelsat-oneweb-brings-broadband-to-antarctic-research-station.html>



THREAT INTELLIGENCE

How GPS spoofing works - great site & read by British University of Applied Sciences

Understanding the basics of spoofing is essential for any security professional. Spoofing is a form of impersonation where an attacker sends a false signal to a receiver, making it believe it is receiving a signal from a legitimate source. This can be used to disrupt services, steal data, or even cause physical damage. **#GPSspoofing**



GPS jamming in the east - why it's not just a matter of time

As the world's largest GPS jammer, the Russian Federation has been active in the region for several years. The jamming is not just a nuisance for civilians but also a serious threat to military operations. The jamming is not just a nuisance for civilians but also a serious threat to military operations. **#GPSjamming**



Map of GPS Spoofing in the Middle East

This map shows the locations of GPS spoofing in the Middle East. The spoofing is not just a nuisance for civilians but also a serious threat to military operations. The spoofing is not just a nuisance for civilians but also a serious threat to military operations. **#GPSspoofing**

★ Israel 'jammed GPS signals' in days before Iran's 300-missile launch to confuse attackers

Israeli intelligence jammed the country's GPS navigation system signals in the days counting down to the Iran attack to confuse its missile targeting teams. But it is believed Iran's drones and ballistic missiles, which can be guided by GPS, were fitted with a Russian GLONASS system in order to bypass the jamming. The GLONASS system is an alternative navigation tool to GPS but is less accurate and in the commercial world is considered outdated. **#Iran #Israel**

Link: <https://www.mirror.co.uk/news/world-news/israel-jammed-gps-signals-days-32585514>

