



SPACE CYBERSECURITY WEEKLY WATCH

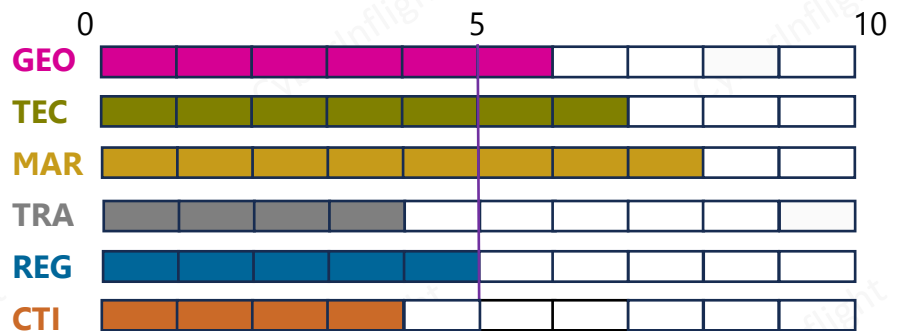
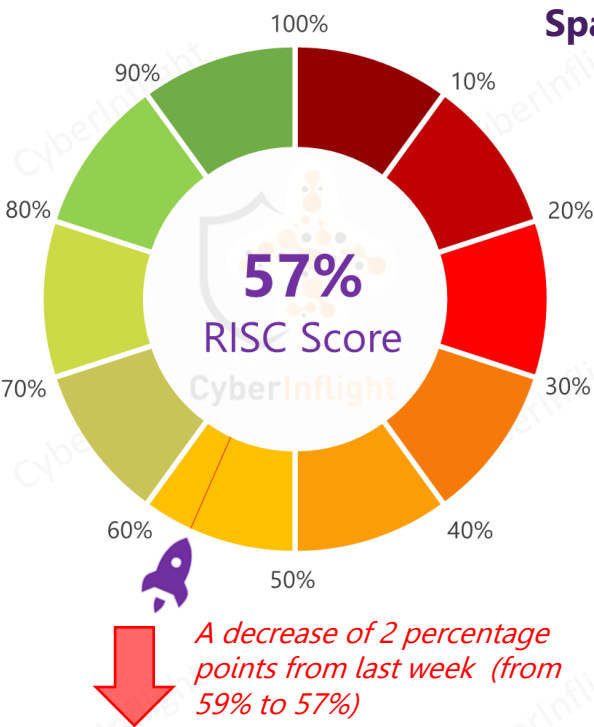
Week 30
July 23 – 29, 2024

Timeframe : Weekly
of articles identified : 27
Est. time to read : 50 minutes

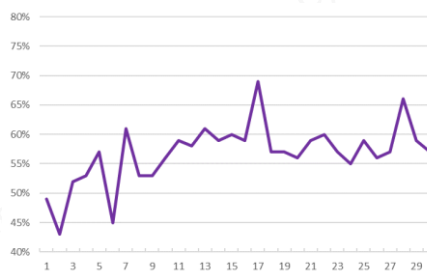
Articles, company's communications, whitepapers, academic works, podcast, and sources not to be missed on the topic of space cybersecurity over a specified timeframe.

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

Overview & Resilience Index for Space Cybersecurity (RISC)



RISC Score Evolution



After struggling to recover since the drop from W18 and finally rising on W28, the RISC score (the tool used to assess cybersecurity resilience in space) is decreasing again this week.

This week's RISC score is 57%. On the geopolitical front, the Pentagon has released an updated Arctic strategy that warns of low-level Russian "destabilizing" activities in the Far North aimed at the United States, Canada, and its allies. The disruption activities in the Arctic involve potential Russian jamming of GPS satellites. On the technological side, U-blox has announced the first support for Galileo OSNMA in the firmware update of its ZED-F9P high-precision GNSS module. This enhancement advances the spoofing detection and jamming detection capabilities of the well-established multi-band GNSS module. On the market front, Thales Alenia Space and Airbus are holding explanatory talks with a view to merging some of their space activities. Both are aware of how vital space has become to the security of individual countries. On the regulatory front, EU member states, with the help of the European Commission and ENISA, published the first report on the cybersecurity and resilience of Europe's telecommunications and electricity sectors. Lastly, the threat coming from China and Russia's space-based SIGINT satellites is growing, allowing them to geolocate transmissions from the radars of UK and NATO allies' navies and target them.



MARKET & COMPETITION



How strategic is space for Europe? A potential Airbus-Thales space merger could have the answer

Thales Alenia Space and Airbus, Europe's largest manufacturers of satellites for communication, navigation and surveillance, are holding explanatory talks with a view to merging some of their space activities. Both are aware of how vital space has become to the security of individual countries. #TAS #Airbus



Link: <https://www.satellitetoday.com/opinion/2024/07/23/how-strategic-is-space-for-europe-a-potential-airbus-thales-space-merger-could-have-the-answer/>

Space and Defense Space Administration are not unified intelligence platform as International Space Station

The US Space Force is planning to announce the successful demonstration of its next generation continuous waveform satellite in 2025. The program will demonstrate how well the program works with ground-based systems as the key component of the space-based system. The demonstration will show the program's capabilities and the potential for the US Space Force to use the program as a key component of its intelligence platform. #SpaceForce #Intelligence



Link: <https://www.satellitetoday.com/news/2024/07/23/space-and-defense-space-administration-are-not-unified-intelligence-platform-as-international-space-station/>

US to Deliver Managed Network Services to US Army

The US Space & Defense Force has awarded a \$100 million contract to provide satellite communication services as part of a US Army pilot program. The contract covers the design, development, testing, and deployment of a managed network. The program, supporting military operations in both the US and Europe, includes the design, development, testing, and deployment of a managed network. The program, supporting military operations in both the US and Europe, includes the design, development, testing, and deployment of a managed network. #SpaceForce #USArmy



Link: <https://www.satellitetoday.com/news/2024/07/23/us-to-deliver-managed-network-services-to-us-army/>

Airbus US launches space accelerator

Airbus has selected the first cohort of ten US companies for a space accelerator with a \$100 million fund. The program is designed to help small and medium-sized businesses develop and launch their space products. The program is designed to help small and medium-sized businesses develop and launch their space products. The program is designed to help small and medium-sized businesses develop and launch their space products. #Airbus #SpaceAccelerator



Link: <https://www.satellitetoday.com/news/2024/07/23/airbus-us-launches-space-accelerator/>

Space exploration from Artemis II toward the moon

Airbus has been awarded the contract to build the service module for the Artemis II mission. The mission is the first crewed mission to the moon since Apollo 11. The mission is the first crewed mission to the moon since Apollo 11. The mission is the first crewed mission to the moon since Apollo 11. #Artemis #SpaceExploration



Link: <https://www.satellitetoday.com/news/2024/07/23/space-exploration-from-artemis-ii-toward-the-moon/>

SpaceX Corporation Signs New \$1.6 Bn Award

SpaceX Corporation has been awarded a \$1.6 billion contract to provide satellite communication services as part of a US Army pilot program. The contract covers the design, development, testing, and deployment of a managed network. The program, supporting military operations in both the US and Europe, includes the design, development, testing, and deployment of a managed network. #SpaceX #USArmy



Link: <https://www.satellitetoday.com/news/2024/07/23/spacex-corporation-signs-new-1-6-bn-award/>

How US Space Force is pushing to develop quantum tech that will impact people's lives

The US Space Force is pushing to develop quantum technology that will impact people's lives. The program is designed to help small and medium-sized businesses develop and launch their space products. The program is designed to help small and medium-sized businesses develop and launch their space products. The program is designed to help small and medium-sized businesses develop and launch their space products. #SpaceForce #QuantumTech



Link: <https://www.satellitetoday.com/news/2024/07/23/how-us-space-force-is-pushing-to-develop-quantum-tech-that-will-impact-peoples-lives/>

Airbus wins \$100M US Space Force contract to support the satellite control network

Airbus has been awarded a \$100 million contract to support the satellite control network. The contract covers the design, development, testing, and deployment of a managed network. The program, supporting military operations in both the US and Europe, includes the design, development, testing, and deployment of a managed network. #Airbus #SpaceForce



Link: <https://www.satellitetoday.com/news/2024/07/23/airbus-wins-100m-us-space-force-contract-to-support-the-satellite-control-network/>



TRAINING & EDUCATION

Expanding on previous the role of AI in building systems
The article discusses the role of AI in building systems, highlighting the importance of AI in various industries and the challenges associated with its implementation. It also mentions the need for AI literacy and the role of AI in various industries and the challenges associated with its implementation.

Expanding the frontier of cyber signal building with health
The article discusses the role of AI in building systems, highlighting the importance of AI in various industries and the challenges associated with its implementation. It also mentions the need for AI literacy and the role of AI in various industries and the challenges associated with its implementation.



REGULATION



Risk assessment report on cyber resilience on EU's telecommunications and electricity sectors

EU member states, with the support of the European Commission and ENISA, published the first report on cybersecurity and resilience of Europe's telecommunications and electricity sectors. The report highlights several concerns, such as supply chain security risks, a shortage of cybersecurity professionals, and threats from cybercriminals and state-sponsored actors. #EU #Cybersecurity



Link: <https://digital-strategy.ec.europa.eu/en/news/risk-assessment-report-cyber-resilience-eus-telecommunications-and-electricity-sectors>

THREAT INTELLIGENCE



The threat from China and Russia's space-based SIGINT satellites

China and Russia have extensive space-based SIGINT capabilities, which can geolocate transmissions from the radars of UK and NATO allies' navies. This tracking information is then linked to land and naval-based missiles to ensure that they can target the UK and US Navy. #SIGINT #Tracking



Link: <https://www.thespacereview.com/article/4831/1>

North Korean hackers target NATO, US military bases and defense organizations to steal weapons secrets
North Korea has been stealing NATO, American air force bases and defense sites in a global cyber espionage campaign. The article discusses the role of AI in building systems, highlighting the importance of AI in various industries and the challenges associated with its implementation.



Link: <https://www.thespacereview.com/article/4831/1>

Messages & Emails of services provider hacked - confidential data leaked online - analysis

Messages and emails of services provider hacked - confidential data leaked online - analysis
The article discusses the role of AI in building systems, highlighting the importance of AI in various industries and the challenges associated with its implementation.



Link: <https://www.thespacereview.com/article/4831/1>

AI-powered bots more like a weapon for a nation attacking an other target rather than as a way of stepping a stone

The article discusses the role of AI in building systems, highlighting the importance of AI in various industries and the challenges associated with its implementation.

Link: <https://www.thespacereview.com/article/4831/1>

The French firm Cyprien was hacked by one of its employees

The article discusses the role of AI in building systems, highlighting the importance of AI in various industries and the challenges associated with its implementation.



Link: <https://www.thespacereview.com/article/4831/1>



THREAT INTELLIGENCE

Space 2024 News & Cross-Industry Outlook

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The quantum vulnerability exposing critical risks to satellite communication

In an era where space technologies are becoming increasingly vital to our global economy and national security, a new threat looms on the horizon: quantum computing. As we stand on the brink of a quantum revolution, it's crucial to understand the implications for the space sector to anticipate and prepare for the challenges that lie ahead.

Quantum Computing

Quantum Computing: A Game-Changer with Significant Risks to Satellite Communication

Introduction

Space Industry Overview: Tailoring Strategies and ITB to Handle Next-Gen Cyber Threats

Space exploration is reaching new and exciting horizons, thanks to through expanding satellite constellations (ITB) which are needed to provide a global operations environment that is undergoing a paradigm shift. These satellite constellations, and as a result, the global ITB, across the globe in France, Australia and the US. Throughout the operations, satellite constellations are often in real-time being forced to deal with malicious actors based on different needs that are dependent on the current operational requirements.

The Space Industry's Vulnerability to Quantum Computing: A Strategic Imperative and Risk

Introduction

Space Industry Vulnerability: How Quantum Computing Threatens Satellite Constellations

Space exploration from the frontier exploration being pursued using satellites equipped with high-powered lasers to enable space-to-ground satellite constellations. These satellites would use ultra-wide beams to the users from orbit, allowing for greater reach and energy output. The development highlights China's efforts to maintain global satellite constellations for the space-to-ground satellite constellations which would be used for reconnaissance and intelligence gathering.

Space Exploration

Space Exploration: Quantum Computing Threatens Satellite Constellations

