SPACE CYBERSECURITY WEEKLY WATCH

Week 9

February 27 – March 4, 2024

Timeframe : Weekly

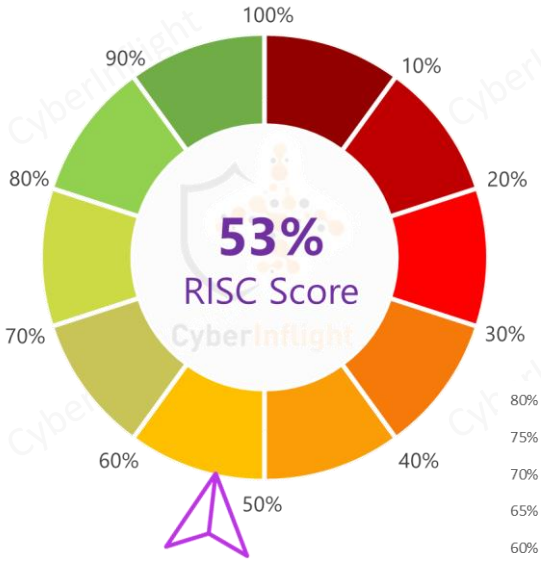
# of articles identified : 30

Est. time to read : 45 minutes

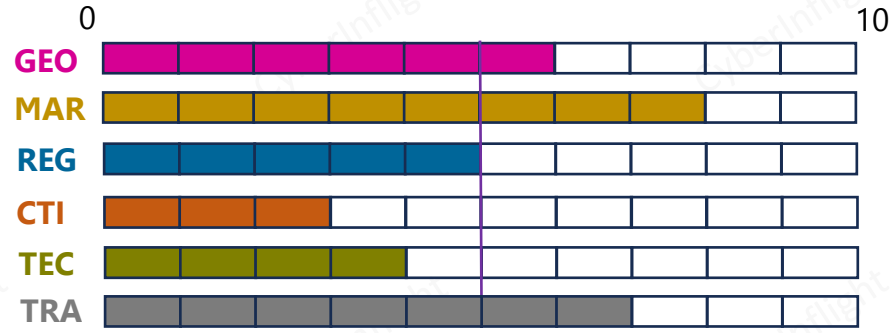
Articles, company's communications, whitepapers, academic works, podcast, and sources not to be missed on the topic of space cybersecurity over a specified timeframe.

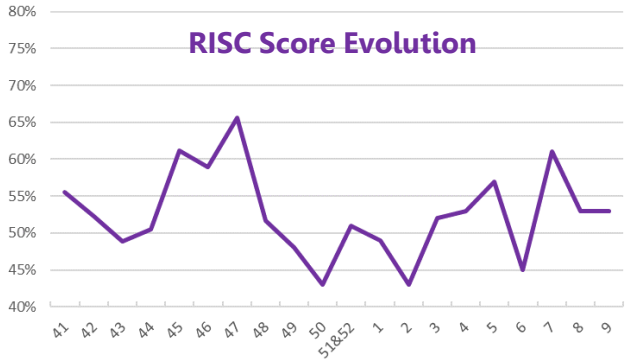
- GEOPOLITIC
- MARKET & COMPETITION
- REGULATION
- THREAT INTELLIGENCE
- TECHNOLOGY
- TRAINING & EDUCATION
- IMPORTANT NEWS

Overview & RISC Score



Same than last week





After a rising period since the start of 2024, W6 has shown a decrease, and W7 has shown an increase followed by a decrease for W8. W9 got the same result as W8, showing a stabilization in the ecosystem.

This week's RISC score is 53%. This week, the CYSAT 2024 Agenda was published, for which Florent Rizzo, CEO of CyberInflight will speak about the main highlights of 2023 in the space cybersecurity market as well as in a panel dedicated to ISACS: mark your calendars for April 25 ! In addition, this week, North Korea's first spy satellite, called Malligyong-1, has carried out space maneuvers, according to a space expert, and is well controlled by North Korea. On the market front, Indra and Thales have signed an agreement to collaborate in the defense sector in order to accelerate the development of advanced European technologies. In terms of regulations released this week, the main event is the released of NIST 2.0, which is the first major update since the framework was created a decade ago. On the threat intelligence side, the Philippine Navy confirmed that China has been deliberately intercepting the communication signal of Philippine ships in the West Philippine Sea (WPS), and has been doing so for several years. In addition, the establishment of space businesses by MetCom and the Japan Aerospace Exploration Agency (JAXA) will allow to conduct of research and development in order to realize a highly accurate and secure terrestrial positioning system. Last but not least, France inaugurated the AsterX 2024 Military Space Exercise, which aims to solve fictional geopolitical space war scenarios.

CYBERINFLIGHT'S NEWS

CYSAT 2024

Florent Rizzo, from CyberInflight, will speak and highlight the 2023 main moments on the space cybersecurity market, at the CYSAT event, in Paris, on 25 April 2024 ! Meet him there ! **#CYSAT2024 #CyberInflight**
Link: https://cysat.eu/agenda/

GEOPOLITIC

A New Frontier : Space Warfare Analysis

Satellites in space provide a range of capabilities for combat systems on Earth, like GPS guidance for munitions and near surveillance of adversary movements, command, and control. Destroying or disabling them can have multiplier effects on ground. **#Threats #SpaceWarfare**
Link: https://www.eurasianreview.com/28022024-a-new-frontier-space-warfare-analysis/

Cobra Gold War Exercise Practice Response to Cyber and Space Threats

The armed forces of Thailand and the United States kicked off this year's Cobra Gold military exercise at U-Tapao International Airport in Rayong province. With the participation of 9,370 military and humanitarian personnel from several countries, Cobra Gold 2024 is deemed the largest military exercise in Southeast Asia. **#CobraGold #Military**
Link: https://www.nationthailand.com/thailand/general/40032923

In the Age of Intercepts : The C.I.A Makes the Case For Spies

Intelligence-gathering today relies on electronic eavesdropping on calls and text messages as well as high-resolution satellite images. But the C.I.A. argues that even in the age of artificial intelligence and ubiquitous intercepts, human sources are more important than ever. **#CIA #Surveillance**
Link: https://tinyurl.com/2024/02/29/in-an-age-of-intercepts-the-c-i-a-makes-the-case-for-spies/

North Korea's First Spy Satellite 'Alive' and Working, Space Expert Says

North Korea's inaugural spy satellite, called Malligyong-1, is definitely "alive" and conducting space manoeuvres, a space expert has said, with Pyongyang successfully controlling the spacecraft. The satellite was put into orbit on 21 November after two failed attempts. **#NorthKorea #SpySatellite**
Link: https://www.independent.co.uk/asia/east-asia/north-korea-spy-satellite-successful-b2504496.html

GPS Independency : A Key Satcom Feature For All Critical Communications

In today's world where states and groups of hackers use persistent jamming, the requirements for emergency communications equipment have never been higher. Deployment time, transportability, usability and internet speed are still key factors. We now must add jamming proof to the list. **#GPS #Jamming**
Link: https://spacewatch.global/2024/2/gps-independency-a-key-satcom-feature-for-all-critical-communications/

16th Air Force and Space Force Unite To Fortify Air, Space Operations Against Cyber Threats

The 16th Air Force and the U.S. Space Force have embarked on a strategic partnership to bolster air and space operations by weaving space capabilities into every facet of warfighting. This collaboration underscores the critical role of cyber technology in modern military planning and operations, with a special focus on enhancing the resilience of space architecture and strengthening defenses against cyber operations. **#SpaceForce #AirForce**
Link: https://breakingdefense.com/2024/02/16th-air-force-and-space-force-unite-to-fortify-air-space-operations-against-cyber-threats/

South Korean Spy Satellite Transmitting High-Quality Images of Pyongyang, Says Sources

South Korea's first domestically developed spy satellite succeeded in sending high-quality images of Pyongyang back home during a test transmission, according to military sources Sunday. The electro-optical and infrared satellite is the first of five South Korean plans to launch into orbit by 2025 to conduct regular reconnaissance on the North. The satellite was launched into orbit on a SpaceX Falcon 9 rocket from Vandenberg Space Force Base in California on December 2nd. **#SouthKorea #Surveillance**
Link: https://koreajoongangdaily.joins.com/news/2024-01-02/national/defense/South-Korean-spy-satellite-transmitting-highquality-images-of-Pyongyang-says-sources/1950489

Eyes in The Sky : Unveiling The Legacy of CORONA Satellites in Modern Surveillance

The CORONA satellite program, initiated by the CIA and the U.S. Air Force between 1959 and 1972, laid the groundwork for modern surveillance and global security through pioneering satellite imagery. These pioneering satellites were tasked with photographing vast expanses of the Soviet Union, China, and other strategic locations, significantly enhancing America's intelligence capabilities during the Cold War. Today, the relevance of these historic endeavors is more pertinent than ever, shedding light on the evolution of global surveillance and espionage tactics. **#CORONA #Surveillance**
Link: https://breakingdefense.com/2024/02/eyes-in-the-sky-unveiling-the-legacy-of-corona-satellites-in-modern-surveillance/

MARKET & COMPETITION

Indra And Thales Forge Strategic Alliance For Cyber Defense And Communications Solutions

Indra, a leading global technology company, and Thales, a leading technology multinational in the defense, cybersecurity, digital security and aerospace markets, have signed an agreement to collaborate in the area of defense, intending to accelerate the development of cutting-edge European technologies and leverage synergies to compete in Spain and international markets. **#Thales #Indra**

Link:https://www.armyrecognition.com/defense_news_february_2024_global_security_army_industry/indra_and_thales_forge_strategic_alliance_for_cyber_defense_and_communications_solutions.html

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REGULATION

NIST Cybersecurity Framework 2.0 Officially Released

NIST announced the official release of version 2.0 of its Cybersecurity Framework (CSF), the first major update since its creation a decade ago. The cybersecurity framework was originally aimed at critical infrastructure organizations, but it has been widely used and widely recommended and NIST highlighted that CSF 2.0 is designed to help all organizations reduce risks, regardless of sector, size, or level of security sophistication. **#NIST #Framework**

Link: https://finabel.org/initiatives-an-eu-space-law-on-the-horizon-decoding-legal-foundations-and-navigating-policy-frontiers/

THREAT INTELLIGENCE

Navy Confirms China's Jamming of Philippine's Ships Signal in West PH Sea

The Philippine Navy (PN) confirmed that China has been intentionally intercepting the communications signal of Philippine ships in the West Philippine Sea (WPS) and it has actually been ongoing for several years already. Commodore Roy Vincent Trinidad, PN spokesperson for West Philippine Sea, said there has been an increase in the incidents of electronic interference or jamming by China not only for the equipment of the Philippine ships but also for their land-based communications equipment. **#China #Jamming**

Link: https://mb.com.ph/2024/2/27/navy-confirms-china-s-jamming-of-philippine-ships-signal-in-west-ph-sea

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TECHNOLOGY

JAXA And MetCom Begin Co-Creation Activities Related To "Terrestrial Positioning System"

MetCom and the Japan Aerospace Exploration Agency (JAXA) are creating space-related businesses with new ideas. Through this co-creation, in the first 1-2 years, MetCom and JAXA will each conduct research and development, creating a feedback loop for incorporating it into a MBS 3D positioning system. As a result, they aim to realize a highly accurate and safe terrestrial positioning system that incorporates new technologies. **#JAXA #MetCom**

Link: https://spacewatchafrica.com/jaxa-and-metcom-begin-co-creation-activities-related-to-terrestrial-positioning-system/

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TRAINING & EDUCATION

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AsterX 2024 : A New Edition of the French Space Military Exercise

France opens the AsterX 2024 Military Space Exercise in Toulouse today. The annual gathering is meant to encourage coordination among attendees to solve fictional geopolitical space warfare scenarios, such as attacks on communications satellites, to build capacity and understanding for possible future threats. **#AsterX #Exercise**

Link: https://air.defense.gouv.fr/cde/actualite/asterx-2024-une-nouvelle-edition-de-lexercice-spatial-militaire-francais

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