SPACE CYBERSECURITY WEEKLY WATCH

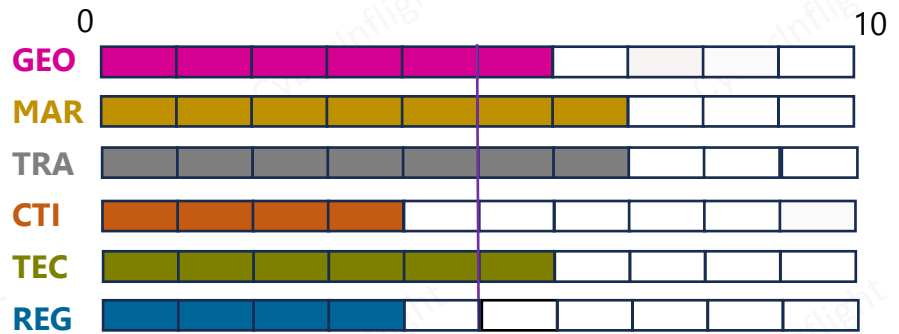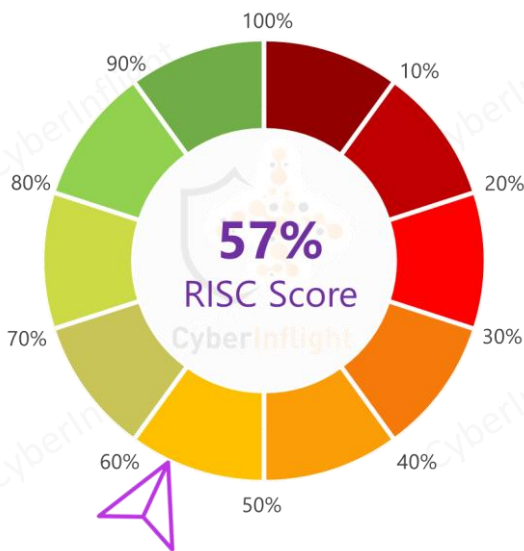## Week 18

April 30 – May 6, 2024

Timeframe : Weekly

# of articles identified : 32

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.

🟥 **GEOPOLITIC**

🟨 **MARKET INTELLIGENCE**

⬜ **TRAINING & EDUCATION**

🟧 **THREAT INTELLIGENCE**

🟩 **TECHNOLOGY**

🟦 **REGULATION**

⭐ **IMPORTANT NEWS**

Overview & RISC Score

57%
RISC Score

A 12% decrease from last week

	0								10
GEO									
MAR									
TRA									
CTI									
TEC									
REG									

RISC Score Evolution

This W18 shows a 12% RISC Score decrease from last week's, but last week was unusual. Except for last week, the level is quite constant and higher than last year's level at the same period.

This week's RISC score is 57%. This week, Finland's Foreign Minister, Elina Valtonen, spoke out against Chinese and Russian actions and commented on the situation with GPS interference in the Baltic Sea region. On the regulatory front, German Vice Chancellor Robert Habeck wrote a letter about the EU's planned IRIS2 project, complaining that France is taking the lion's share of the work contracts. In addition, OneNav, a global navigation satellite system (GNSS) technology developer, has launched L5-direct, a GNSS product capable of directly acquiring and tracking L5-band signals. This innovation arrives amid growing concerns over Russian forces using GPS jamming techniques in Europe. On the market front, SES is acquiring its rival satellite operator, Intelsat, for $3.1Bn, which would bring together two of the significant GEO satellite operators in a market facing increased competition from LEO constellations. In addition, as cyber threats become more prevalent, so do threats to NASA's spacecraft. The federal government issues government-wide cybersecurity guidelines, such as the National Institute and Technology's Risk Management Framework for NASA, in response to these threats. Finally, Finnair, the sole international airline operating flights to Tartu, Estonia, has temporarily suspended its daily service from April 29 to May 31 in response to GNSS interference issues that have caused disruptions.

GEOPOLITIC

Russia GPS jamming threatens air disaster, warn Baltic ministers

[blurred text] **#Russia #GPSjamming**

Link: [blurred link]

China's space force have US troops more vulnerable than ever

[blurred text] **#China #SpaceForce**

Link: [blurred link]

Experts say White House maybe overlooks space cyber risks

[blurred text] **#WhiteHouse #SpaceCybersecurity**

Link: [blurred link]

Taiwan pursue homegrown satellite network amid tensions with China

[blurred text] **#Taiwan #SatelliteNetwork**

Link: [blurred link]

⭐ **Valtonen warns of Chines support for Russia's war, GPS jamming as hybrid influence**
Foreign Minister Elina Valtonen (NCP) spoke out against Chinese and Russian actions. She points out the fact China is supporting Russia very strongly in the war, and she commented about the situation in Ukraine and GPS interference in the Baltic sea region. **#GPSjamming #Russia**
Link: https://yle.fi/a/74-20087118?origin=rss

REGULATORY

⭐ **Franco-German dispute threatens to derail EU satellite internet program**
German Vice Chancellor Robert Habeck stirred up controversy this week, following revelations that he beseeched the European Commission to scrap plans for a new satellite system months before its official launch. Habeck indeed wrote a letter in relation to the EU's planned IRIS2 project, complaining that France is taking the lion's share of the contracts of the work. **#EC #IRIS2**
Link: https://europeanconservative.com/articles/news/franco-german-dispute-threatens-to-derail-eu-satellite-internet-programme/

TECHNOLOGY

New application suite update with GNSS interference insights

[blurred text] **#NovAtel #GNSS**

Link: [blurred link]

⭐ **OneNav introduces new L5-direct GNSS receiver in response to increased GPS jamming**
OneNav, a developer of global navigation satellite system (GNSS) technology, has launched L5-direct, a GNSS product capable of directly acquiring and tracking L5-band signals. This innovation arrives amid growing concerns over Russian forces using GPS jamming techniques in Europe to impair American drones in Ukraine. **#OneNav #GNSS**
Link:
https://www.gpsdaily.com/reports/OneNav_introduces_new_L5_direct_GNSS_receiver_in_response_to_increased_GPS_jamming_999.html

MARKET & COMPETITION

SES to acquire Intelsat for $3,1 billion

SES is acquiring rival satellite operator Intelsat for $3.1Bn, a deal that would bring together two of the major GEO satellite operators in a market facing increased competition from LEO constellations. The companies announced April 30 that they had agreed on the deal, subject to regulatory approvals. SES will pay $3.1Bn in cash along with certain contingent value rights for 100% of Intelsat. The transaction is not expected to close until the second half of 2025.

#SES #Intelsat

Link: https://spacenews.com/ses-to-acquire-intelsat-for-3-1-billion/

TRAINING & EDUCATION

NASA Cybersecurity: plan needed to update spacecraft acquisition policies and standards

As cyber threats become more prevalent, so do threats to NASA's spacecraft. A cyberattack could lead to losing critical data, or possibly losing control of the spacecraft. In response to these threats, the federal government issues government-wide cybersecurity guidelines, such as the National Institute and Technology's Risk Management Framework.

#NASA #Cybersecurity

Link: https://www.gao.gov/products/gao-24-106624

TRAINING & EDUCATION

(content obscured)

THREAT INTELLIGENCE

GNSS jamming in Estonia leads to Finnair flight cancellations

Finnair, the sole international airline operating flights to Tartu, Estonia, has announced a temporary suspension of its daily service to the city from April 29 to May 31. This decision is in response to ongoing GNSS interference issues that have recently caused disruptions, including two instances last week where flights had to return to Helsinki. **#Jamming #Finnair**

Link: https://insidegnss.com/gnss-jamming-in-estonia-leads-to-finnair-flight-cancellations/

(remaining entries obscured)