



# SPACE CYBERSECURITY WEEKLY WATCH

Week 29

July 11 – 17, 2023

Timeframe : Weekly  
# of articles identified : 15  
Est. time to read : 20 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
- THREAT INTELLIGENCE
- TRAINING & EDUCATION
- REGULATION
- TECHNOLOGY
- ★ IMPORTANT NEWS

## Overview

An article from Bloomberg sheds light on the events surrounding the claim of responsibility for the Dozer-Teleport attack. Several articles attempt to explore the different scenarios of cyberattacks that can reach a satellite. This has been a recurring trend for several months, highlighting a real need to understand the issues involved in this specific field. Also, in India and elsewhere in the world, initiatives are being developed to provide alternatives to current PNT and GNSS capabilities. Finally, there is a growing number of educational initiatives in the field of space cybersecurity, ranging from webinars to online courses. This underlines a real need for knowledge in this specific field.

## GEOPOLITIC

**India Space Congress will hold key session for US Space Command top official**

The US Space Command top official will attend the India Space Congress 2023, which will be held in New Delhi on July 11-13. The US Space Command top official will attend the India Space Congress 2023, which will be held in New Delhi on July 11-13. The US Space Command top official will attend the India Space Congress 2023, which will be held in New Delhi on July 11-13.

**Link:** [https://www.space.com/india-space-congress-2023-us-space-command-official](#)

**Growing reliance on satellites requires new approach to cybersecurity in space, report says**

As the world's reliance on satellites grows, the need for a new approach to cybersecurity in space is becoming increasingly apparent, according to a report from the US Space Force. The report highlights the growing reliance on satellites for critical infrastructure, networks, and satellite systems.

**Link:** [https://www.space.com/growing-reliance-on-satellites-requires-new-approach-to-cybersecurity-in-space-report-says](#)

**Next Session on Cyber-Security for Space Operations, Report Says**

The next session on Cyber-Security for Space Operations will be held during the India Space Congress 2023. The session will focus on the importance of strong cybersecurity to protect critical infrastructure, networks, and satellite systems.

**Link:** [https://www.space.com/next-session-on-cyber-security-for-space-operations-report-says](#)

### ★ Need for Cyber-Security in Space Operations

On the third day of India Space Congress 2023, a session was held to discuss the impending cyber threats that loom over space operations worldwide. The theme of the session; Cyber-Security for Space Operations witnessed insightful discussions on the importance of strong cybersecurity to protect critical infrastructure, networks, and satellite systems.

#IndiaSpaceCongress #ISRO

**Link:** <https://www.geospatialworld.net/prime/need-for-cyber-security-in-space-operations/>



## MARKET & COMPETITION

### ISRO Advances progress with Quantum Space Networks for land and maritime connectivity

India Space Research Organisation (ISRO) has announced the development of quantum communication capabilities. The organization is working on a quantum key distribution (QKD) satellite to enable secure and unhackable quantum communication capabilities. QKD, based on quantum physics principles, ensures secure data transport by sending traditional bits as data and decryption keys as quantum entangled states known as qubits.

**Link:** <https://www.isro.gov.in/News-Events/ISRO-Advances-progress-with-Quantum-Space-Networks-for-land-and-maritime-connectivity>

## THREAT INTELLIGENCE

### New Quantum Key Distribution Satellite

ISRO has announced the development of a quantum key distribution (QKD) satellite. The satellite will enable secure and unhackable quantum communication capabilities. QKD, based on quantum physics principles, ensures secure data transport by sending traditional bits as data and decryption keys as quantum entangled states known as qubits.

**Link:** <https://www.isro.gov.in/News-Events/ISRO-Advances-progress-with-Quantum-Space-Networks-for-land-and-maritime-connectivity>

### ISRO Advances progress with Quantum Space Networks for land and maritime connectivity

India Space Research Organisation (ISRO) has announced the development of quantum communication capabilities. The organization is working on a quantum key distribution (QKD) satellite to enable secure and unhackable quantum communication capabilities. QKD, based on quantum physics principles, ensures secure data transport by sending traditional bits as data and decryption keys as quantum entangled states known as qubits.

**Link:** <https://www.isro.gov.in/News-Events/ISRO-Advances-progress-with-Quantum-Space-Networks-for-land-and-maritime-connectivity>

## TECHNOLOGY



### India to launch quantum-secure communications satellite

The Indian Space Research Organisation (ISRO) plans to develop its Quantum Key Distribution (QKD) Satellite to enable secure and unhackable quantum communication capabilities. QKD, based on quantum physics principles, ensures secure data transport by sending traditional bits as data and decryption keys as quantum entangled states known as qubits.

**#India #Quantum**

**Link:** <https://dig.watch/updates/india-to-launch-quantum-secure-communications-satellite>



### Q-CTRL Partners with the Australian Department of Defence to Develop Quantum Sensors for Enhanced Positioning and Navigation

Q-CTRL has entered into a contract to develop such a sensor with the Australian Department of Defence. Q-CTRL, which created a Quantum Sensor division in 2022, has developed software defined quantum sensor technology that can sense minute changes in gravitational field and also acceleration. **#Quantum #PNT**

**Link:** <https://quantumcomputingreport.com/q-ctrl-partners-with-the-australian-department-of-defence-to-develop-quantum-sensors-for-enhanced-positioning-and-navigation/>

### ISRO Advances progress with Quantum Space Networks for land and maritime connectivity

India Space Research Organisation (ISRO) has announced the development of quantum communication capabilities. The organization is working on a quantum key distribution (QKD) satellite to enable secure and unhackable quantum communication capabilities. QKD, based on quantum physics principles, ensures secure data transport by sending traditional bits as data and decryption keys as quantum entangled states known as qubits.

**Link:** <https://www.isro.gov.in/News-Events/ISRO-Advances-progress-with-Quantum-Space-Networks-for-land-and-maritime-connectivity>

### ISRO Advances progress with Quantum Space Networks for land and maritime connectivity

India Space Research Organisation (ISRO) has announced the development of quantum communication capabilities. The organization is working on a quantum key distribution (QKD) satellite to enable secure and unhackable quantum communication capabilities. QKD, based on quantum physics principles, ensures secure data transport by sending traditional bits as data and decryption keys as quantum entangled states known as qubits.

**Link:** <https://www.isro.gov.in/News-Events/ISRO-Advances-progress-with-Quantum-Space-Networks-for-land-and-maritime-connectivity>

