Codec Networks
Coding Threats. Decoding Solutions.



SPACE, SATELLITE & GEOSPATIAL SERVICES
CYBERSECURITY

Secure every mission.

Ground infrastructure security, API and cloud testing, identity controls and supply chain assurance for satellite, launch, ground station, satcom, geospatial and navigation businesses.

Three questions every space and geospatial leader should be able to answer

If our management network were breached tomorrow, could it push a malicious update to every terminal?

Signed firmware, segmented update servers, MFA on management access and staged roll-outs decide whether a breach stays in one network or reaches every customer.

Who can reach our antennas, mission control and command keys today, including vendors?

Named accounts, MFA, brokered vendor access and key custody decide whether a stolen password becomes a missed pass or a misused satellite.

Does every API that sells imagery or location data check who is asking, every time?

Server-side authorisation, tenant isolation tests and abuse monitoring decide whether a curious customer sees only their own data or everyone's.

US$44 bn
Space economy target for 2033

~440
Space start-ups on the DPIIT portal

113
IN-SPACe authorisations (Aug 2026)

6 hours
Incident reporting to CERT-In

Built for every layer of the space and geospatial stack

Satellite operators and manufacturers · launch service start-ups · ground station and teleport operators · satcom providers · earth observation and geospatial platforms · navigation and location-solution vendors.

The rules that drive your security calendar

Instrument	Key cybersecurity expectations
Space Policy 2023 · IN-SPACe NGP (2023–2024)	Authorisation of space objects, ground systems, capacity
CERT-In Directions · Telecom rules (2022–2025)	6-hour reporting, logs, audits, telecom security
Geospatial Guidelines · DPDP Act (2021–2027)	Sensitive attributes, personal and location data

WHAT WE DO

Ground, satcom, APIs, identity, supply chain and SOC

Ground Station & Teleport Security

Antennas, baseband, mission control, TT&C and range OT reviews.

Satcom Network Security

Hubs, NMS, gateways, management VPNs and terminal updates.

API & Cloud Testing

EO tasking, geospatial and location APIs, cloud ground segment.

Identity & Access Controls

Privileged access, command key custody and vendor access.

Supply Chain Assurance

Component and software suppliers, SBOMs and integrators.

24/7 SOC & Response

Ground network monitoring, CERT-In reporting and forensics.

Choose your starting point

Foundation

API and web platform test, cloud ground segment review, location data privacy check, IR retainer. For space start-ups and geospatial platforms.

Assurance

Ground network VAPT, privileged access review, CERT-In empanelled audit, managed SOC. For satellite operators and ground station firms.

Continuous Resilience

Red team of ground and NMS, supply chain assurance, ISO 27001 and telecom rules, SOC with OT. For satcom providers and large space groups.

Why Codec Networks

CERT-In empanelled

for information security auditing services, and empanelled with NICSI for application audit services.

Certified

ISO 9001:2015, ISO/IEC 27001:2022 and ISO/IEC 20000-1:2018.

Regulation-mapped

Every finding mapped to the Indian Space Policy 2023 and IN-SPACe's authorisation norms, the Telecommunications Act 2023, satcom licence conditions and the Telecom Cyber Security Rules, CERT-In's Directions and audit guidelines, the Geospatial Data Guidelines, the IT Act, the DPDP Act and your contracts with customers and partners.

One connected partner

Testing, audits, SOC, forensics and privacy linked from finding to closure.

Book a scoping session

Share your satellites, ground stations, satcom networks, platforms, data and obligations. We will propose a practical testing, audit and monitoring plan for your business.

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Regulatory references reflect public instruments as of October 2026; applicability depends on each entity's licence, category and activities. Services support risk reduction and assurance and do not guarantee prevention of all incidents or regulatory compliance. Sources: IN-SPACe Decadal Vision and PIB (October 2024), Lok Sabha reply on space start-ups (August 2026), CERT-In Directions (2022). Confirm obligations against the official instruments.