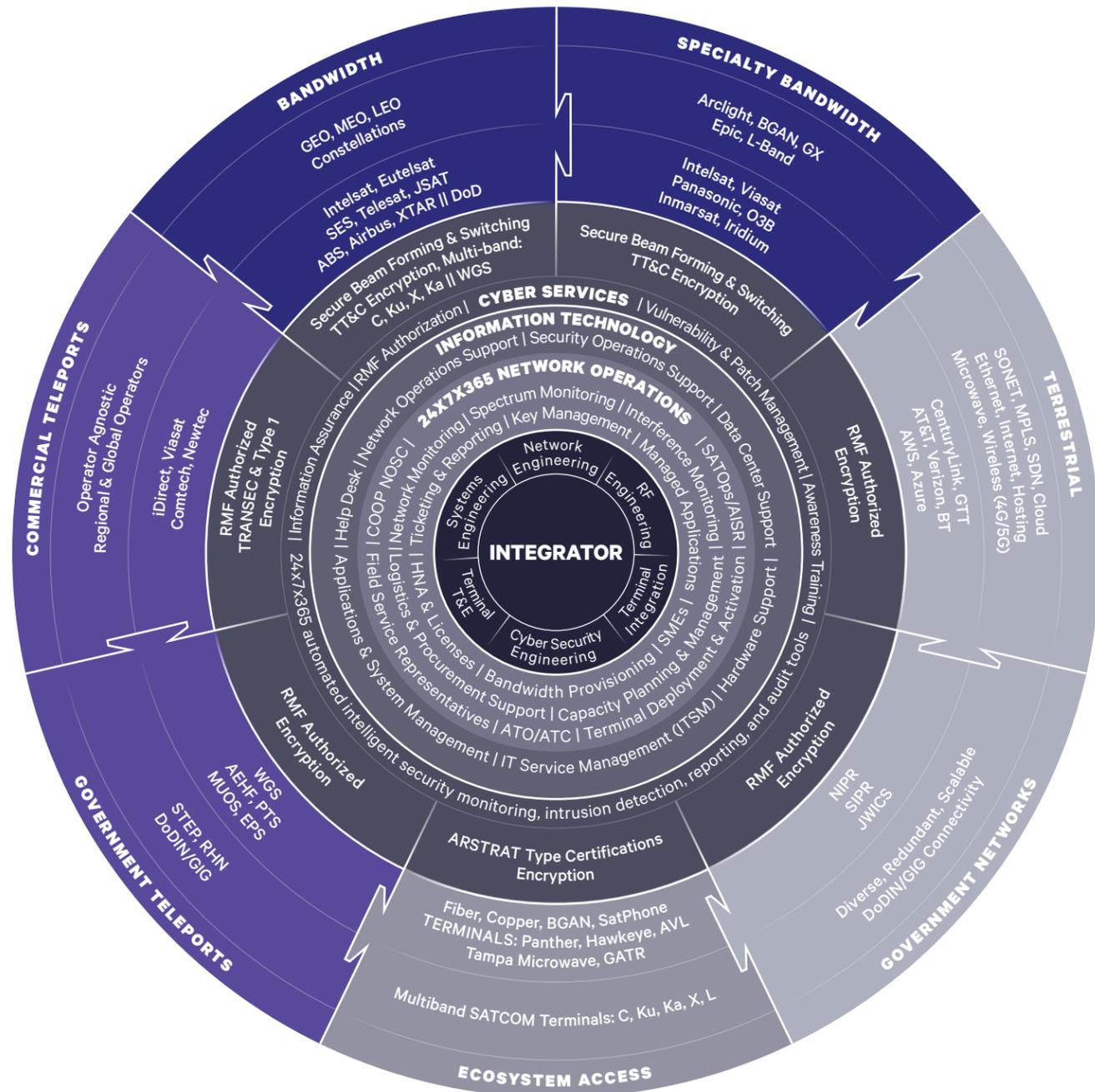# Resilient & Secure End-to-End Global Communications

Increase resiliency and security in your end-to-end global comms with holistically integrated Information and Communications Technology (ICT) Solutions.

Wheel diagram

BANDWIDTH
- GEO, MEO, LEO Constellations
- Intelsat, Eutelsat SES, Telesat, JSAT ABS, Airbus, XTAR || DoD
- Secure Beam Forming & Switching TT&C Encryption, Multi-band: C, Ku, X, Ka || WGS

SPECIALTY BANDWIDTH
- Arclight, BGAN, GX Epic, L-Band
- Intelsat, Viasat Panasonic, O3B Inmarsat, Iridium
- Secure Beam Forming & Switching TT&C Encryption

COMMERCIAL TELEPORTS
- Operator Agnostic Regional & Global Operators
- iDirect, Viasat Comtech, Newtec
- RMF Authorized TRANSEC & Type 1 Encryption

TERRESTRIAL
- SONET, MPLS, SDN, Cloud Ethernet, Internet, Hosting Microwave, Wireless (4G/5G)
- CenturyLink, GTT AT&T, Verizon, BT AWS, Azure
- RMF Authorized Encryption

GOVERNMENT TELEPORTS
- WGS AEHF, PTS MUOS, EPS STEP, RHN DoDIN/GIG
- RMF Authorized Encryption

GOVERNMENT NETWORKS
- NIPR SIPR JWICS
- Diverse, Redundant, Scalable DoDIN/GIG Connectivity
- RMF Authorized Encryption

ECOSYSTEM ACCESS
- Multiband SATCOM Terminals: C, Ku, Ka, X, L
- Fiber, Copper, BGAN, SatPhone TERMINALS: Panther, Hawkeye, AVL Tampa Microwave, GATR
- ARSTRAT Type Certifications Encryption

Inner rings

CYBER SERVICES | Vulnerability & Patch Management | Security Operations Support | Data Center Support | SATOps/AISR | Managed Applications |

INFORMATION TECHNOLOGY
Security Operations Support | Interference Monitoring | Awareness Training

24X7X365 NETWORK OPERATIONS
Information Assurance | RMF Authorization | Help Desk | Network Operations Support | Spectrum Monitoring | Key Management | Ticketing & Reporting | Network Monitoring | COOP NOSC | HNA & Licenses | SMEs | Logistics & Procurement Support | Field Service Representatives | Bandwidth Provisioning | Capacity Planning & Management | Applications & System Management | ATO/ATC | Terminal Deployment & Activation | IT Service Management (TSM) | Hardware Support |

24x7x365 automated intelligent security monitoring, intrusion detection, reporting, and audit tools

Inner core roles:
- Network Engineering
- RF Engineering
- Systems Engineering
- Terminal Integration
- Cyber Security Engineering
- Terminal T&E

INTEGRATOR

Resilient & Secure End-to End Global Comms

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Visit us at sessd.com

watch the video

The Information & Communications Technology (ICT) Ecosystem — powered by SES Space & Defense

GEO
- L-Band (BGAN, LTAC)
- Ku-Band (HTS, Widebeam)
- C-Band (Global, Hemi, Spot)
- SES Ku-Band (HTS, Widebeam)
- SES C-Band (Global, Hemi, Spot)
- SES Ka-Band (HTS, Spot)
- SES Mil Ka + X-Band (GOVSAT)
- Ka-Band (WGS, HTS)
- X-Band (Military, Commercial)
- UHF (SICRAL, Skynet)

MEO
- SES Ka-Band - O3b
- SES Ka-Band - O3b mPOWER

LEO
- OneWeb
- Starshield
- Lightspeed
- Kuiper
- Kepler

Teleports
- Commercial Teleports
- SES Teleports
- Government Teleports

Terrestrial
- Microwave
- Internet
- Enterprise Gateways/PoPs
- Core Nodes with Data Centers & Cloud Services
- SES Space & Defense Resilient MPLS Global Communications Network (GCN)
- Government Gateways/DoDIN
- Wireless - 4G/5G

System Access

24x7x365 SES Space & Defense Global NOSC
Monitoring & Control (M&C)
COOP NOSC

Cyber Services
- Secure Beam Forming & Switching
- Telemetry, Tracking, & Control (TT&C) Encryption
- RMF Authorization
- CIAQ
- Transmission Security (TRANSEC) & Type 1 Encryption
- SMDC/ARSTRAT Certifications
- Encryption
- Security monitoring, intrusion detection, & audit trail tools
- Information Assurance
- RMF Authorization
- Patch Management
- Vulnerability Management
- Awareness Training

ICT Portal
- Capacity Management
- Spectrum Monitoring
- Bandwidth Forecasting/Reservation*
- AI/ML Capabilities*
- End-to-end Configuration Details
- End-to-end Performance Monitoring
- End-to-end Events/Conditions
- Congestion Management*

Cybersecurity
- FedRAMP Authorized Cloud Services
- Role Based Access Control

ITSM
- Ticketing/Reporting
- Asset Management
- Knowledge-base
- Ordering/Billing*

Operational Tools
Future Capabilities

Network Operations
- Technology Refresh
- Networking Tools
- Capacity Planning & Management
- HNA & Licenses
- Terminal Activation
- Logistics & Deployment Support
- Field Services

Information Technology
- Broadband IP Networks
- Cloud
- Virtual Private Network (VPN)
- Public Telephone
- Voice over Internet Protocol (VoIP)
- DISN Services
- Video Tele-conferencing (VTC)
- Full Motion Video (FMV)
- Machine to Machine (M2M)
- Discreet Networks
- Help Desk
- Network Operations Support
- Security Operations Support
- Data Center Support
- Applications & Systems Management
- IT Service Management (ITSM)
- Hardware Support

Integrated Solutions

Fixed Solutions
- Distance Learning
- Telemedicine
- Enterprise
- C4I
- MWR Comms

Mobility Solutions
- HADR
- Combat Support
- COTP
- COTM
- Manpacks
- Naval Comms
- AISR

Space Solutions
- Hosted Payloads
- Data Relay
- Situational Awareness

LAND — SEA — AIR — SPACE

Program Management
- Scope Management
- Cost Management
- Schedule Management
- Quality Management
- Risk Management
- Foundational Best Practices - ITIL, PMI PMBOK, ISO

SES Space & Defense — Resilient & Secure End-to-End Global Communications