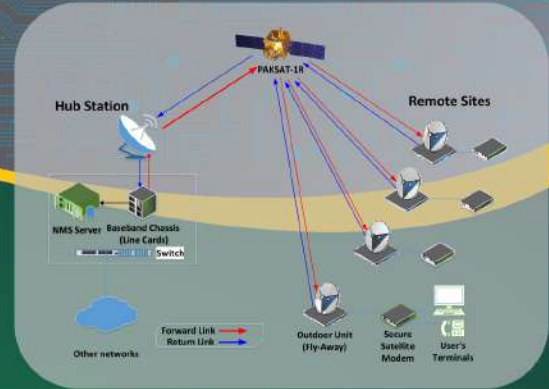


SSN SECURE SATCOM NETWORK

- Data Integrity (SHA-256)
- Digital Signature (ECDSA)
- Dynamic Key Management (ECDH)
- Digital Certificates (X.509)
- Customizable Encryption Algorithm (256-bit)



SUPARCO's Secure SatCom Network (SSN) is an indigenously developed solution for military/strategic satellite communication needs. Its goal is to provide end-to-end information security during transmission in star topology while ensuring bandwidth demands of the terminals through Multi-Frequency Adaptive Time Division Multiple Access (MF-ATDMA).



Applications

- Connectivity in remote areas
- Telemedicine
- Distance learning
- Disaster management
- Tri Svc Secure Networks



Components

- Secure Satellite Modems (SSM)
- Hub Chassis
- Line Cards
- Network Management System (NMS)
- Portable Satellite Terminals (PST)
- SNOC - User friendly GUI



Technical Data

- Data rate: Up to 20 Mbps (Forward), 4 Mbps (Reverse)
- Multiple access: MF-ATDMA
- Mode: MCPC/SCPC selectable
- Layer-2 & Layer-3 supported
- Indigenous security suite
- Mil-Std-810G compliance
- Communication via Geo stationary Satellite

National Space Agency of Pakistan

PAKISTAN FIRST



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Pakistan Space & Upper Atmosphere Research Commission
National Space Agency of Pakistan

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