

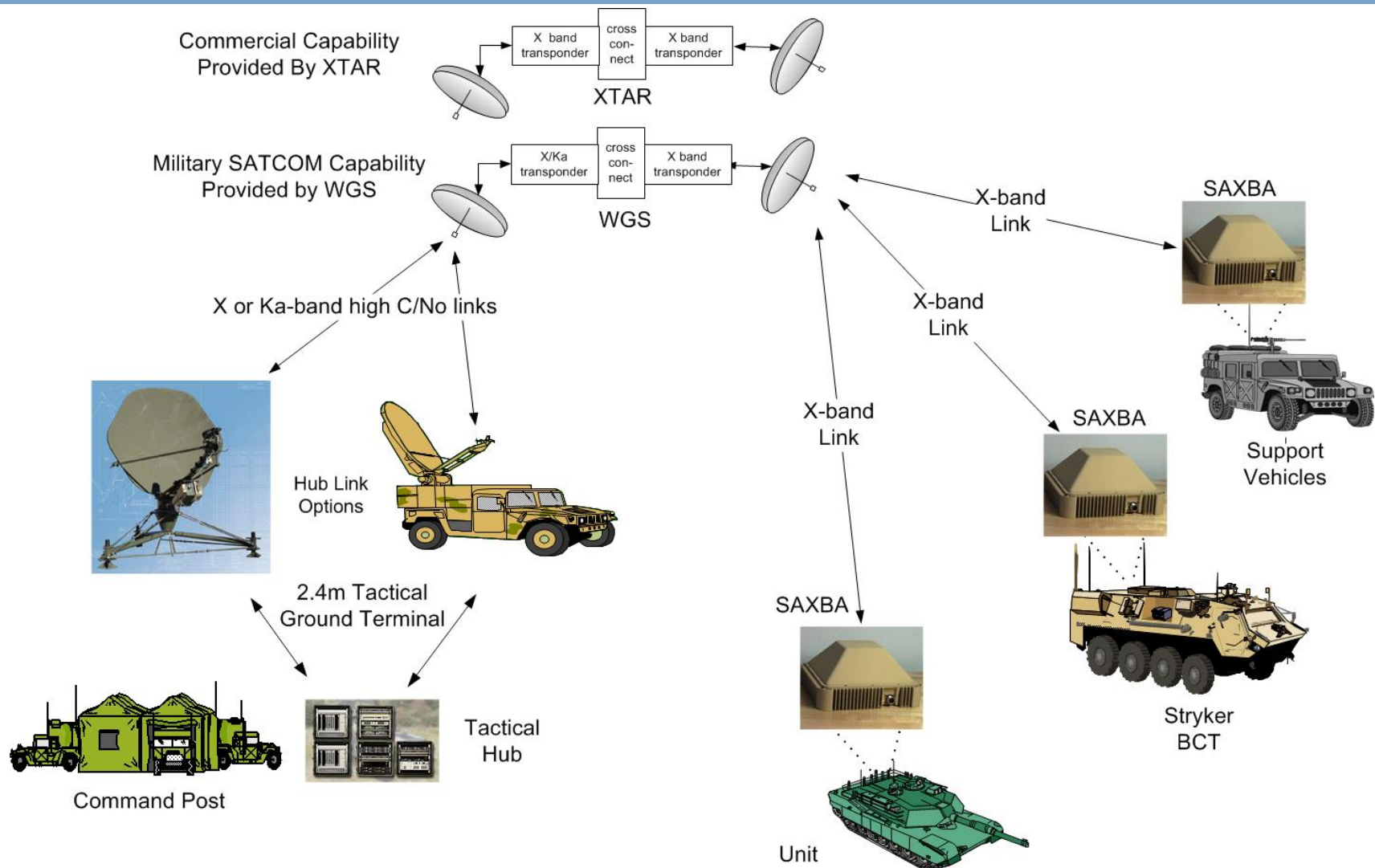
US Army Small Aperture X-band (SAXBA) SATCOM-On-The-Move Terminal

- WGS, XTAR or Skynet satellite operation
- FDX On-the-Move communications
- 30-150 Kbps Rx & 8-32 Kbps Tx
- Phased array beam steering antenna
 - Coverage: 0-360° AZ & 0-90° EL
- Embedded spread spectrum modem
- Ethernet IP based interface
- Hub and Spoke configuration
- Multiple access networking
 - 10,000 units per WGS sub-channel
 - User owned Hub/Ground Station
- FIPS 140-2 TRANSEC
- Type 1 COMSEC support with KGV-72 or KG-250 INE
- MIL-STD-188-164B operation
- MIL-STD-810F, MIL-STD-461F
- Weight under 15 lbs
- Vehicle powered 28 VDC
- Successfully tested with XTAR LANT Satellite July 2011
- WGS certification planned



SAXBA dimensions: 10.75"x10.75"Base x 5.5" H

SAXBA Operations Concept



Sponsor: US Army/RDECOM/CERDEC/S&TCD

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