

SOLUTION BRIEF

Stingray Tactical Relay System



Challenge

On the modern battlefield, fast and accurate intelligence is more critical than ever in enabling battlefield commanders and rear echelon decision-makers to Find, Fix, Finish, Exploit, Analyze and Disseminate (F3EAD) targets within a geographic area of operation. The proliferation of raw Intelligence, Surveillance, and Reconnaissance (ISR) data from a broad range of sensors, provides greater insights than ever before. To derive real value, data must be disseminated, analyzed, and actioned in near-real-time. It is critical that a modern ISR communications platform effectively and efficiently distributes this data from the tactical edge to meet the current and future demands of forward-deployed service-members and rear echelon commanders alike, providing faster analysis and greater situational awareness for decision dominance and enhanced mission outcomes.

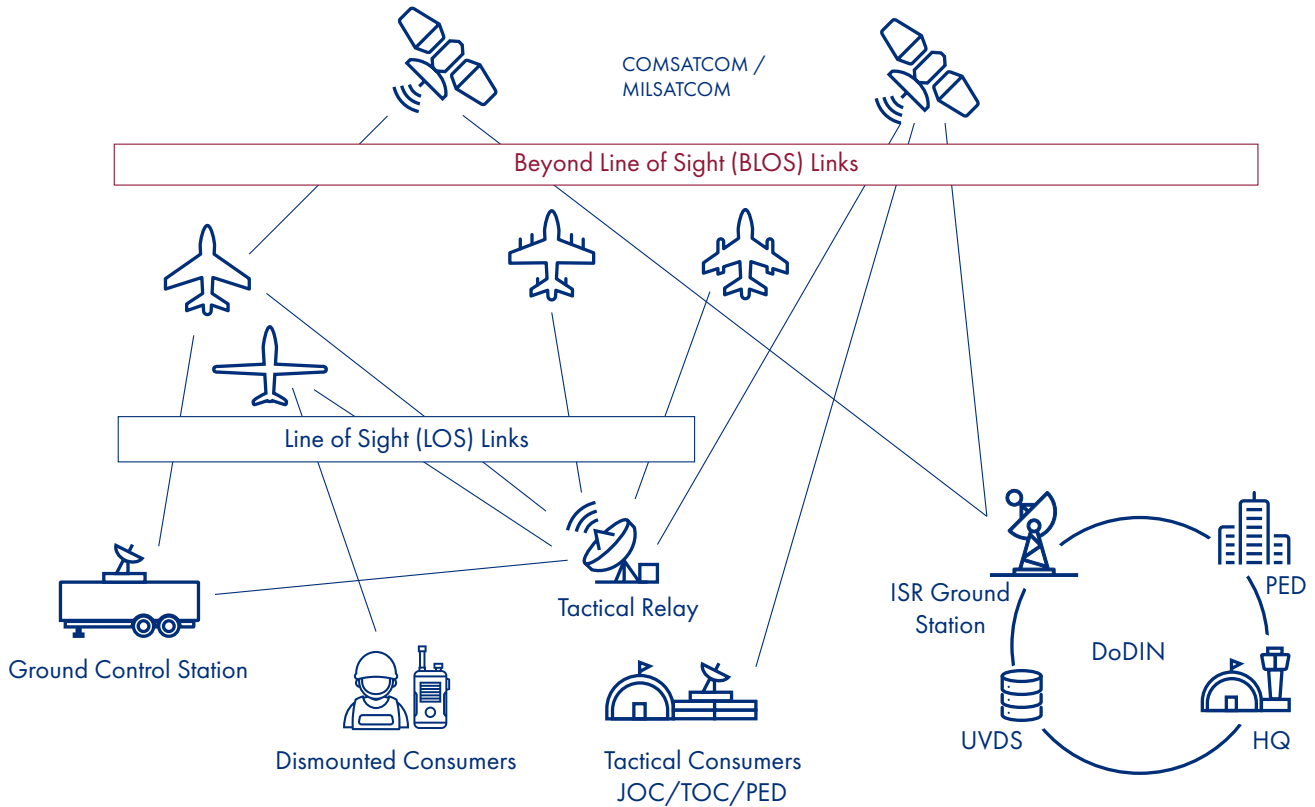
About the Sigma Defense Stingray Tactical Relay System

The Sigma Defense Stingray Tactical Relay System is an integrated hardware and software communications platform that connects people, systems, and data from space to operator, enabling faster access to data and intelligence from edge to core to cloud for better situational awareness and end-to-end insights in the decision-making process. Designed as a solution for current and future challenges, the Stingray Tactical Relay System transports ISR data, previously confined to local exploitation, to the ISR and DoD community at large, supporting reconnaissance, surveillance, target acquisition, force protection operations, as well as a host of other contingency operations that require the near-real-time movement of sensor data to operators, analysts, and decision-makers alike.

The Stingray system provides an integrated and modular suite of equipment for forward-deployed entities, allowing the dissemination of multiple high-definition (HD) Full Motion Video (FMV) feeds as well as other sensor data both locally and to the enterprise writ large bringing theater intelligence data directly to strategic, operational, and tactical forces. The force-multiplying capability of the Stingray system establishes a secure link from Unmanned Aircraft System (UAS) Ground Control Stations as well as various other sensor ingest capabilities to SECRET/ COLLATERAL networks, enabling commanders at all echelons a real-time battlefield sight picture. The Stingray Tactical Relay System directly supports Group 1-3 UAS assets as well as other sensors sourced through enhanced organic sensor dissemination. A complete communications platform, the Stingray Tactical Relay System delivers a robust set of capabilities to enable the modern warfighter including:

- Creation/transmission of Full Motion Video (FMV) streams
- Bi-Directional data exchange with DoDIN customers (C2 Services)
- Bi-Directional sensor control
- Backhaul for Line of Sight (LOS) and Beyond Line of Sight (BLOS) environments
- Cross-Domain protection
- Ingest/distribution of FMV from Global Broadcast Service (GBS) saving SATCOM bandwidth

Sigma Defense Stingray Tactical Relay System Overview



Contract Vehicles for Stingray Tactical Relay Systems

DoD ISR Backhaul Contract	AISR Integration Contract
Data relay and airborne ISR including two-way communications, processing, and data transport.	Build and support of Airborne Intelligence, Surveillance, and Reconnaissance systems
GSA IDIQ contract#: 47QFLA19D0010	GSA IDIQ contract#: 47QFLA21D0007

About Sigma Defense

Sigma Defense Systems LLC is a leading technology company serving the Department of Defense (DoD) providing systems and services for Intelligence, Surveillance, and Reconnaissance since 2006. The company's software-focused approach to tactical communications accelerates information collection and sharing for faster decision-making and better mission outcomes. Customers turn to Sigma Defense for engineering, program management, and logistics services supporting technical solutions that encompass ground, air, and space-based systems. Sigma Defense is headquartered in Perry, GA with satellite offices both CONUS and OCONUS. For more information, visit sigmadefense.com and follow **Sigma Defense on LinkedIn** for news and updates.

