

Tactical Electronic Warfare System (TEWS)

Innovation for the future is now



Operationally proven; U.S. Army SIGINT integrator
"gold-standard" since 2009

Unprecedented availability and synergy of objective
intelligence, both access and processing

Delivers electronic support and electronic attack
capabilities on mobile and dismounted platforms

Mobility and modularity supports rapid repositioning
and dynamic EW in rapidly changing tactical
environments

Overview

The Tactical Electronic Warfare System (TEWS) is a dedicated all-weather, 24-hour, ground-based tactical electronic support and electronic attack system that provides the Commander with options to create multiple dilemmas to a designing enemy by decreasing the sensor to shooter timeline. TEWS will enable a Brigade Combat Team Commander to detect, locate, identify the enemy and will give the Commander the capability to act/react/counter with non-lethal effects by denying, disrupting, and degrading the enemy's ability to communicate, coordinate, and synchronize.

TEWS will set the foundation for Multi-Domain Operations to facilitate opening windows of opportunity across a myriad of environments. TEWS is platform independent; a modular system that will enable integration onto any vehicle. TEWS supports stationary, dismounted, and on-the-move, man-pack operations. TEWS mobility and modularity allows units to simply shoot, move, and communicate in contested environments and rapidly reposition to establish positions of advantage within evolving tactical situations.

Tactical Electronic Warfare System

Platform Agility:

- AMPV
- NGCV
- Stryker
- Flyer
- JLTV
- Non-Tactical Vehicles (NTV)

Current Capabilities:

- Satcom-on-the-Move/Trojan Network
- Multi-Comms Enclaves
- Open Architecture
- Electronic Warfare Targeting (ES/EA)
- Integrated EWPM (Raven Claw)
- EW Support to SIGINT
- Artificial Intelligence/Machine Learning (AI/ML)
- Expanded Signals of Interest (SOI) Capability

Future Capabilities:

- Support to Offensive Cyber Operations (OCO)
- Assured-Position, Navigation, Timing (A-PNT)
- Integration with airborne sensors
 - Multi-Function Electronic Warfare (MFEW-Air)
 - Aerostat and/or balloon
 - Joint Airborne Systems
- Training Support via IEWTPT
- Robotics/Autonomous Vehicles employment of sensors
 - Unattended and/or remote ground sensors
- Extended Range – Tethered UAS



GENERAL DYNAMICS
Mission Systems

info@gd-ms.com • GDMissionSystems.com

US & Canada: 1-877-449-0600 • Global: Your AT&T Country Code + 877-466-9467 • DSN: 312-282-1048

©2019 General Dynamics. All rights reserved. General Dynamics reserves the right to make changes in its products and specifications at any time and without notice. All trademarks indicated as such herein are trademarks of General Dynamics. All other product and service names are the property of their respective owners. © Reg. U.S. Pat. and Tm. Off.

D-TEWS-01-0319