

WINBMS

Advanced Networked Battle Management



In today's peacekeeping, high-intensity, and low-intensity conflict arenas, accurate tactical coordination between battalion, company and platoon mounted forces and systems is crucial to mission success.

Integrating the entire sensor-to-shooter loop, **WINBMS** (Weapon-Integrated Battle Management System) from Elbit Systems Land and C4I - Tadiran enables real-time coordination between fighting vehicles – enabling universal situational awareness, in-depth collaborative mission planning and management, and an always-updated common operation picture.

WINBMS

Advanced Networked Battle Management

From Planning through Operations

WINBMS delivers universal situational awareness and powerful tactical and control functionality to mounted forces from the battalion level and below.

Designed for easy integration with vehicle mounted weapons systems, and including unique low-bandwidth decentralized tactical communications capabilities and integral navigation - **WINBMS** facilitates creation of highly-coordinated joint battalion combat teams comprised of Battle Tanks, Armored Fighting Vehicles, Armored Personnel Carriers, and other combat and combat support vehicles.

WINBMS enhances the common operation picture from the earliest stages of pre-planning and intelligence collection, through maneuvering, and including actual combat operations.

In the battalion HQ, WINBMS accelerates and clarifies mission planning, improves force efficacy, and raises mission survivability by establishing a common and clear language across all combat elements.

WINBMS facilitates rapid definition and enforcement of areas of responsibility, clear line of separation and safety margin delineation, and automatic distribution of intelligence updates, target information and alerts throughout the battle group.

In the field, on-board networked BMS computers turn every platform into both a networked sensor and a shooter. Vehicle-mounted weapons or sensors can be slaved by remote users- raising overall force flexibility and lethality, improving unit fire management, speeding tempo of operations, and enabling effective closed-hatches distributed and dispersed firepower, while lowering likelihood of friendly fire.

Fully Deployed in the IDF

Selected by the Israeli Ministry of Defense as the primary Battle Management System in the IDF's landmark Digital Army Program (DAP), WINBMS is already fully deployed and operational on a large-scale under actual combat and ongoing LIC conditions.

WINBMS has been readily adopted and praised by both IDF soldiers and commanders. Together with comprehensive fielding and training programs, and including significant integration efforts with existing and new systems, WINBMS has delivered improved planning, maneuvering, and fire management to IDF joint combat teams.

Key WINBMS Features

- Data processing and communication system interfacing with on-board weapons, sensor, and other systems
- Advanced C² software tailored for all joint combat team members
- Advanced navigation based on GPS or inertial measurement unit
- Communication package enabling safe and encrypted simultaneous transmission of voice and data

WINBMS Advantages

- Field proven enhancement in battalion lethality
- Enhances battalion, company and platoon Command and Control
- Enhances tactical perception and navigation
- Improves communication and coordination between commanders and crewmen
- Stepped-up pace of battle, maneuvering, and target destruction
- Easy to learn, use, and maintain
- Reduces Observer-Shooter loop
- Diminishes possibility of friendly-fire incidents



Elbit Systems Land and C⁴I - Tadiran Ltd.

5 Hagavish St. Netanya 42507, Israel

E-mail: landc4itadiran@elbitsystems.com www.elbitsystems.com/landc4i-tadiran