

## **XM1100 Scorpion Completes Successful End-to-End Live Fire Testing.**

Product Manager Intelligent Munitions Systems (PM IMS) has announced that the XM1100 Scorpion networked sensor and munitions platform successfully completed a series of live fire engagements against an approved threat target.

Scorpion, a system of munitions, sensors, and communication devices, can implement obstacles to assure maneuver commanders retain freedom of action, can protect forces, and enable assured mobility operations. “Scorpion is at the core of the Army’s efforts to ensure that our Soldiers can move, shoot, and communicate better than ever before,” said LTC James Dell’Olio, PM IMS. “It combines detailed battlefield intelligence with precision munitions so our forces can precisely attack all four classes of vehicular threats, from light-wheeled to heavy-tracked vehicles.” PM IMS, part of the Project Manager Close Combat Systems (PM CCS) organization, oversees the development and evolution of the Army's Scorpion program (formerly known as Intelligent Munitions System).

Conducted at White Sands Missile Range, NM, the live firing demonstration followed rigorous verification testing and a successful Critical Design Review. Attendees included BG Jonathan Maddux, Project Executive Officer for Ammunition (PEO Ammo) and BG John S. Regan, Commander, White Sands Missile Range, as well as representatives from the Office of the Assistant Secretary of the Army for Acquisition, Logistics, and Technology (ASAALT); the Maneuver Support Center (MANSCEN); and industry partners, Textron Defense Systems and Northrop-Grumman.

According to the Army Research Laboratory/Survivability Lethality Analysis Directorate (ARL/SLAD) assessment, the Scorpion achieved a “mobility kill”. During this first end-to-end live fire engagement, remote-controlled military targets were driven through multiple fields of emplaced Scorpion systems. After identifying and tracking the targets, a fully functional Scorpion, loaded with high-explosive munition, engaged the targets within the lethal footprint.

The team has now demonstrated all major functionalities of Scorpion, including command and control, ground sensor tracking, target engagement, anti-vehicle munitions launch, warhead lethality, and self-destruction. The program is poised for successful Government qualification testing, scheduled to begin in the spring of 2010.

“Scorpion provides improved engagement effectiveness, greatly enhanced situational awareness, reduced soldier workload, and improved command-and-control communications to the Warfighter,” said Dell’Olio. A true force multiplier, Scorpion gives U.S. forces the ability to detect and neutralize enemy forces, cover gaps in dangerous terrain to prevent enemy maneuver, protect fixed facilities and secure flanks, allow for movement of friendly forces, and provide for immediate selective engagement. Scorpion operators maintain positive control of the munitions using a wireless control station and can attack targets using automatic or manual engagement modes. Multiple units can be networked to expand the area of force protection and battle space shaping to support full spectrum operations in both tactical and urban terrain.