



XM7 SPIDER NETWORK COMMAND MUNITION DISPENSING SET

National Defense Industrial Association (NDIA) 2012 Joint Armaments Conference 15 May 2012

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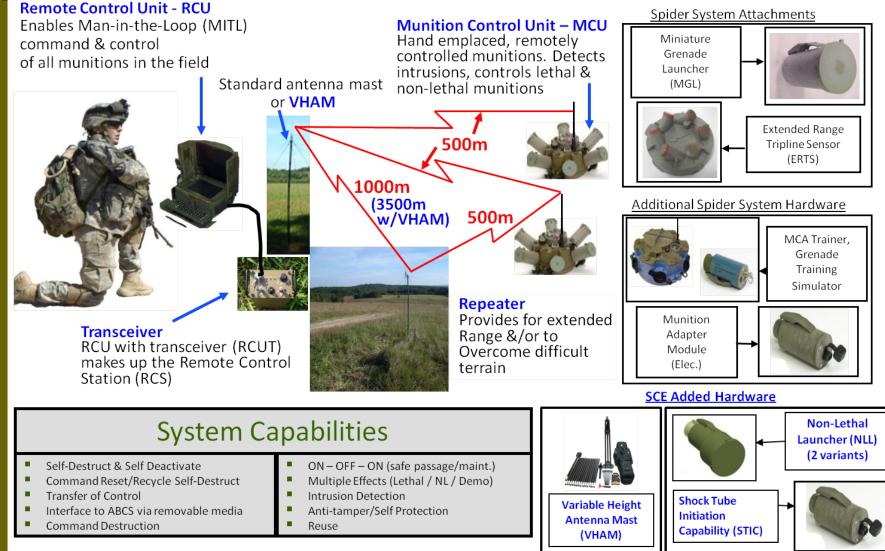
SYSTEMS

COMBAT

CLOSE

Zd

XM7 Spider System Overview





Spider System Video



PM CLOSE COMBAT SYSTEMS

XM7 Spider Non Lethal Launcher (NLL)

FLASH BANG & STING BALL	CURRENT STATUS
<image/> <image/> <text><image/><image/><image/><image/><image/><image/><image/><image/></text>	 Successfully conducted Force Development Test 2 (FDT2), Fort Bliss, TX on 27-29 June 2011 This test was the first time that Soldiers employed Non-Lethal Launcher (NLL) grenades. Currently seeking to improve grenade reliability based on the FDT2 results.
DESCRIPTION	KEY MILESTONES/ ACTIVITIES
 NLL is a Non-Lethal alternative to the lethal Spider MGL Provides escalation of force / response capability Provides an early warning to the user Utilizes existing technology to the maximum extent possible to minimize development cost and risk 	 Force Development Test2 (FDT2) HECOE NLL GIM Report Issue Letter of Contemplation Contract Award Design Verification Test (DVT) May - Jul 13 Insensitive Munitions / Final Hazard Classification (IM/FHC) May - Jun 13 Type Classification



Spider Non Lethal Requirements

The Spider requirement for the Non Lethal effort is documented in the **JROC Approved** Capability Production Document (**CPD**) For Spider Networked Munitions System June 2008 Final Version 1.8.

- Para 3, page 9 Lethal and non-lethal Spider munitions are needed to replace the capabilities provided by all current conventional nonself-destructing anti-personnel landmines (APL) and to protect and enhance the combat effectiveness of deployed forces.
- Table B. Attribute 9, page 15, Non Lethal
- Paragraph n, Non-lethal (NL), page 19: DOD desires a companion capability to the lethal Spider component, which can incapacitate or restrain, but not intentionally kill its target. It is desired that the NL Spider component provide the same area coverage as the lethal Spider munition. The restraining mechanism should be uni-directional (threshold) or omni-directional (objective).



Non Lethal Launcher (NLL) Design

XM-104 Non Lethal

Bursting Hand

Grenade (NLBHG)



The Spider XM7 NLL Leveraged the XM-104 Non Lethal Bursting Grenade Body

Non Lethal Launcher (NLL)



Questions?