Mission Payload Module
Non-Lethal Weapons System

briefing for

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Small Arms Systems Symposium
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What is needed?

Operational Forces Requested a Non-Lethal System That:

• Provides a Counter-Personnel Capability That Complements Lethal Weapon Applications and Effects
• Provides Marines With a High Volume of Fire, Extended Range and Incapacitation Capability
• Reduces or Avoids Risk of Permanent Injury to Personnel and Unintended Destruction of Equipment or Infrastructure
What is MPM-NLWS?

MPM-NLWS is a new Weapon System That Launches Non-Lethal Payloads to Greater Ranges, With a Broader Area Coverage, Greater Duration of Effects and High Volume of Fire

The MPM-NLWS Will:

- Initially be Deployed From the HMMWV (or its Replacement)
- Deliver Counter-Personnel Non-Lethal Effects Applicable to Controlling Crowds, Denying / Defending Areas, Controlling Access and Engaging Threats
- Incapacitate its Intended Targets, Which is Disable, Inhibit or Degrade one or More Functions or Capabilities of the Targets to Render Them Ineffective
- Provide Increased Standoff Distance for the Protection of Friendly Forces
**Technology Demonstration**
- One year demonstration phase leading into RFP for System Development & Demonstration Phase

**Objectives of the Technology Demonstration Phase**
- Demonstrate alternative technologies for MPM-NLWS
- Demonstrate payloads

**Results will inform SDD RFP and support assessment of current technology**

**System Development and Demonstration**
- Up to Three-year effort to develop, integrate, and demonstrate an integrated system that satisfies the Capabilities Development Document
- Leads into a Capabilities Production Document and the RFP for production systems

**Production**
- Multi-year effort to produce the MPM-NLWS and provide it to the warfighters

**Objectives of the Production Phase**
- Provide an integrated system that satisfies the CPD attributes

**Number of contracts for the SDD Phase has not been determined**
Industry Demonstrations

- Results of Market Research Indicated That a Mature Technology Base (TRL-6) Exists
- Several Developed Systems Purport to Already Achieve Many of the Required Capabilities
- Goal is to Leverage Industry’s Investments and Government’s Preference for Mature Solutions

Demonstrations Will Take Place During September 2008

- Currently in Source Selection for the Demonstration Contracts
- Demonstrations Will Inform Decisions for SDD Phase Contract (s)
- Vendors do not Need to Participate in the Demonstrations to bid on the SDD Phase

You do not need participate in the demonstration to bid for the SDD contract(s)


**Issue:** Industry has Limited Payload Expertise and is Required to Develop a Non-Lethal Payload That can Temporarily Incapacitate a Group of Personnel While Minimizing Risk of Permanent Injury

- **Effect on Targeted Personnel**
- **Ranges to Target**
- **Risk of Permanent Injury**

**Challenges:**
- How Does Industry Determine if Their Payload Will Satisfy the Requirement?

**Mitigation:**
- A Pre-Solicitation Industry Day Will be Held at MARCORSYSCOM Prior to Release of MPM-NLWS SDD RFP

*Anticipated Navy Electronic Commerce Online and Federal Business Opportunities Posting in September 2008*
### Schedule

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Approved USMC (Spiral One) Acquisition Objective: 312 Systems Working for Army/Navy for Spiral Two

SDD Phase Will be Open to all Bidders
How can industry Help Non-Lethal Systems / Force Protection Programs?

Develop a non-lethal system (launcher and payload) that reduces the risk of permanent injury while maximizing incapacitation and duration of effect.
Questions?