

## Mission Payload Module Non-Lethal Weapons System

briefing for

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#### 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

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## What is MPM-NLWS?



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MPM-NLWS is a <u>new Weapon System</u> 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

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## **MPM-NLWS Program Overview**



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2008

Technology Demonstration

#### • The Technology Demonstration Phase

- 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

2009-2011

# System Development and Demonstration

#### The SDD Phase

- 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

**↓** 2012- 2014

#### **Production**

#### The Production Phase

- Multi-year effort to produce the MPM-NLWS and provide it to the warfighters
- Objective of the Production Phase
  - Provide an integrated system that satisfies the CPD attributes

#### Number of contracts for the SDD Phase has not been determined



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#### **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)

## **Current Challenges**



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**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

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Event - Milestone	FY08				FY09				FY10				FY11				FY12			FY13				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Industry Day				_																				
Contract Award																								
Sys Dev & Demo Phase																								
Low-Rate Prod. Decision		   															<b>\</b>							
Production Period		   		   		 	   			 		 												

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

### **SDD Phase Will be Open to all Bidders**

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# 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

5/27/2008

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## **Questions?**