JNLWP Update to the International Infantry & Joint Services Small Arms Symposium



Mr Swenson
Acquisition Division Chief, Joint NL Weapons Directorate
(703)432-0906, DSN 378-0906
kevin.swenson@usmc.mil

JSSAST Symposium

- Combined with JNLWP's Joint Integration Program (JIP)
- JNLWP Attendance
- Wednesday Live Fire Demonstration:
 - Weapons: H&K (XM-320), Milkor (M32), CMore (MASS), Beretta (CKER), Metal Storm (MAUL), FN-303 Less Lethal Launcher,
 - NL Munitions: Rheinmetall (Nico) BTV-1 Flash Bang Grenade, Taser XREP, BE Meyers, N Light & Thales Laser Dazzlers, BAE Extended Range Blunt Impact / Marking Munitions, CSI – 12 Gauge / 40mm Warning Munitions, etc..
- Thursday Non-Lethal Breakout Panel
 - 1050-1230
- Friday JIP Meeting here at the Fairmont

LETHAL / NON-LETHAL INTEROPERABILITY!

Prioritized DoD NL Capability Gaps (Top 10 of 36)

Top Ten Tasks

- 1) Stop Vehicle (small, confined, single)
- 2) Stop Vehicle (medium, confined, single)
- 3) Stop Vehicle (large, confined, single)
- 4) Stop Vessel (small, confined, single, [friendly anchored])
- 5) Suppress Individuals (confined, single/few)
- 6) Suppress Individuals (open, many)
- 7) Stop Vessel (small, open, single, [friendly underway])
- 8) Deny Access into/out of an area to individuals (confined, single/few/ many)
- 9) Deny Access into/out of an area to individuals (open, single/few/ many)
- 10) Move Individuals through an area (open, many)

CP TASKS

- Deny
- Move
- Disable
- Suppress

CM TASKS

- Stop Vehicle
- Disable Vehicle
- Stop Vessel
- Disable Vessel
- Stop Arcft on Ground
- Disable Arcft on Ground
- Divert Arcft in Air
- Deny Access to Facility

CBA Membership			
J2/J3/J8	PACOM	USA	JNLWD
JFCOM	CENTCOM	USCG	OSD AT&L *HECOE
EUCOM	STRATCOM	USMC	
	NORTHCOM	USN	
		USAF	

Current Acquisition Programs

Counter Personnel - Developmental Threshold Range At / Below 100M









Counter Personnel - Developmental Threshold Range At / Below 300M







Counter Material





Joint Integration Program (JIP)

Description:

A Forum established to Coordinate a Comprehensive Program that Maintains State-of-the-Art NLCS for each Service through Product Demonstrations, Sharing Lessons Learned and Evaluating COTS Products for Potential Inclusion into

Service NLCSs.

Recent Accomplishments:

- ❖ Last Semi-Annual JIP Meeting @ Nellis AFB, CA (Nov 07)
- ❖ Next Meeting 23 Mar here
- Munitions Testing Standardization MOA (In Coord.)

Ongoing Projects:

- Evaluate Re-usable 40mm Training Rounds (USA)
- Evaluate Portable Entanglement Device (USCG)
- ❖ Launch cup w/ Adapters for two Shotguns and User Evaluation (USAF)
- Extended Range (500-1000 Meters) Warning Munitions (USN)

Future Activities:

- Evaluating FY09 Candidate Submissions
- ❖ Next Semi-Annual Meeting TBD (Maritime Venue?)

JNLWD Lead, USMC, USA, USN, USCG, USAF Voters and SOCOM Interest

Industry Contact – Doug Esposito, American Systems douglas.esposito@americansystems.com



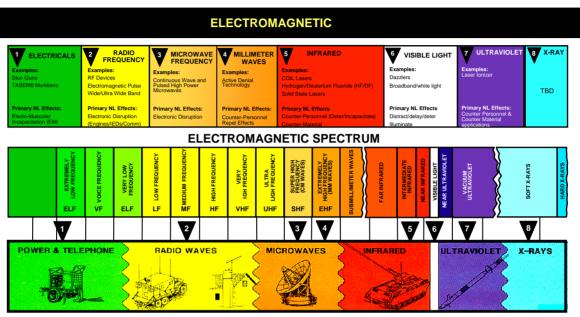
Less Lethal Technologies



BLUNT IMPACT DEVICES
BARRIERS
NETS/ENTANGLEMENTS
SPIKES/CALTROPS

ACOUSTIC

AVERSIVE SOUNDS
PHASED ARRAYS
UNDERWATER ACOUSTICS



Advanced Materials

RIOT CONTROL AGENTS FOAMS

CAMO

ANTI-TRACTION MATERIAL

MALODORANTS

OBSCURANTS

THERMOBARICS

REACTANTS

MARKERS

COMBUSTION MODIFIERS

ANCILLARY

ENCAPSULANTS
NANOPARTICLES

NON-LETHAL CASINGS



JNLWP FY09 Technology BAA

- Non-lethal focus areas (in priority order):
 - 1) Vessel stopping
 - 2) Clear a space without entry
 - 3) Divert aircraft
 - 4) Individual and crowd behavior
 - 5) Human effects/effectiveness and safety thresholds of NL stimuli
 - 6) Stimulating academia to promote NLW applied research
 - 7) Advanced materials and payloads
- Release Date: (Est.) 30 May 08
- Close Date: 30 Jun 08
- Website:
 - https://www.jnlwp.com/admin/solicitations.asp

JNLWP Education Opportunities

EDUCATION

- Pennsylvania State University on-line course: <u>NON-LETHAL WEAPONS: POLICIES, PROCEDURES AND TECHNOLOGIES CERTIFICATE</u>
- www.fayette.psu.edu/ccps application form available online
- JNLWD Point of Contact LCDR (USN) Cabot Aycock, cabot.aycock@usmc.mil
- WEBSITE https://www.jnlwp.com
 JNLWD Point of Contact Teresa Ovalle teresa.ovalle@usmc.mil

Summary

- Less Lethal Capabilities are relevant in today's fight against terrorism, on both the domestic and international front
- Range is a significant capability gap for Non-Lethal Weapons
- There are a number of promising new technologies that are poised to enhance Less Lethal Capabilities
- The application of Non-lethal force across the Escalation of Force spectrum is critical to success