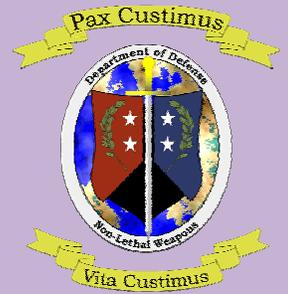


Joint Non-Lethal Weapons Program Newsletter

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JNLWP

**Biannual JNLWP
 Newsletter
 Published
 June 2010**

Inter-service Non-lethal Individual Weapons Instructor Course

The non-lethal weapons training course is available to warfighters from all Services.

Courtesy of INIWIC



The FN-303 Less-Lethal Launching System is among the many non-lethal systems included in INIWIC training.

U.S. Army photo by Spc. Edward Siguenza

The Inter-service Non-lethal Individual Weapons Instructor Course (INIWIC), located at Fort Leonard Wood, Mo., graduates more than 300 students annually from all Services and several allied nations. Graduates gain a practical understanding of the force continuum and the ability to apply reasonable force options in situations that do not rise to a deadly force response or when deadly force is not the preferred option. A student who attends this course receives training that ranges from rules of engagement and fielded/emerging non-lethal technologies to effective training methodologies and utilization of Service-specific Non-Lethal Capability Sets. INIWIC provides trained instructors who can assist the commander and Service members in understanding the ramifications of unit and individual actions in relation to the tactical situation and who provide training for situational-appropriate force options.

(continued on page 2)

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Inter-service Non-lethal Individual Weapons Instructor Course *(continued from page 1)*

Mission

The course is designed to “train the trainer” and produce instructors who will conduct basic user-level Non-Lethal Capability Set training. The INIWIC graduate may also serve as the non-lethal operations advisor to his or her respective commander. To date, more than 3,100 instructors throughout the Department of Defense have been trained and certified through INIWIC.

Curriculum

A student who attends INIWIC can expect to receive training that ranges from communication skills, crowd dynamics, force continuum and oleoresin capsicum instructor certification to close-range subject control, riot baton techniques and riot control tactics, and non-lethal munitions employment. Additionally, students receive classes on training management and the items in the Service-specific Non-Lethal Capability Sets, to include assembly and maintenance procedures.

Mindset

INIWIC students are taught that the non-lethal mindset is more than batons, rubber bullets or new technology. It is a profound understanding of the force continuum and the ability to escalate or deescalate force based on a perceived threat. It is a tool in the commander’s toolbox that provides alternative options to the traditional, and sometimes lethal, response. INIWIC provides well-trained leaders who can recognize their environment, understand the ramifications of their actions in relation to the tactical situation and act accordingly. INIWIC concentrates on equipping the man rather than manning the equipment.

See related story on Fort Leonard Wood on page 5.

Contact INIWIC
Commercial: (573) 596-4356
DSN: 581-4356
Website: www.tecom.usmc.mil

Army Integrated Concept Team Meets in Arizona

The U.S. Army Non-Lethal Weapons Integrated Concept Team (ICT) met Dec. 2-3 in Scottsdale, Ariz. Attendees received updates from the Force Protection and the Force Application Working Groups, as well as briefs on various non-lethal weapons programs and efforts. Discussion items included:

- non-lethal terminology and proposed solutions
- approval of the Army’s non-lethal weapons training publication
- the Army Sustainment Center of Excellence’s non-lethal weapons efforts
- the status of the Army Deputy Chief of Staff Capability Review
- requirements funding
- fielding of the Army’s Non-Lethal Capability Set



The meeting also focused on combat developer and materiel developer synchronization and included a user session to determine Soldier needs for non-lethal weapons. The meeting ended with a brief on the fiscal year 2011-2016 currently funded efforts and new initiatives submission list.

The Army has scheduled its next ICT meeting for June 29-30 in St. Charles, Mo. For more information, contact Tim Lee, the Army’s non-lethal weapons ICT project officer, at timothy.j.lee@us.army.mil.

—BY JENNIFER BOWEN



Charles Sheridan Recognized for Supporting Non-Lethal Research Efforts

The recruitment and retention of participants at the Target Behavioral Response Laboratory (TBRL), based at Picatinny Arsenal, N.J., is an integral part of conducting the Laboratory's experiments. Charles Sheridan, a research teaching specialist for the lab, recently received the Army Surgeon General's 3-star coin for his outstanding work on the lab's participant informed consent process.

"Charlie's mastery of the informed consent process and constant concern for subject safety have led to a very high participant return rate, which makes scheduling large tests much easier," said John Riedener, Project Manager for the Joint Non-Lethal Weapons Program-funded research at TBRL.

TBRL conducts scientific experiments to gauge the effects that lights, lasers, acoustics and other non-lethal tools have on individuals. The information obtained from these experiments is used to develop weapons systems that suppress and deter potentially unfriendly individuals.

Sheridan formally received the coin in a ceremony at the Armament Research Development and Engineering Center from the center's director, Dr. Joseph Lannon.

"All of us at the Target Behavioral Response Laboratory are very proud of the recognition that Charlie has received," said Riedener. "As the point of contact for all human subject volunteers at the lab, Charlie has demonstrated great communication skills by recruiting the large number of participants that our work requires." —BY ANNETTE BEACHAM



Charles Sheridan (right), a research teaching specialist with TBRL, accepts the Army Surgeon General's coin from Dr. Joseph Lannon, ARDEC Director.

U.S. Army photo by Todd Mozes

Upcoming Events

June 21-23: Maritime Security and Counter-Piracy Live Demonstrations and Training Workshops

Naples, Italy

Visit www.mkds-training.com/AMSCP.php.

September 28-30: Modern Day Marine

Quantico, Va.

Visit http://www.marinemilitaryexpos.com/modern_day_marine/index.



CLO in Action: Rick Bartis at U.S. Central Command

The Non-Lethal Weapons Combatant Command Liaison Officers (CLOs) are the Joint Non-Lethal Weapons Program's representatives in the field. CLOs work to raise awareness and visibility of non-lethal weapons in their respective commands. They also help identify specific needs for non-lethal weapons in the command and establish procedures for integrating non-lethal weapons into operational planning.



**CENTCOM
CLO Rick
Bartis**
*DoD photo
by Cheryl
Fernandez*

Q: When did you begin working as U.S. Central Command (CENTCOM) CLO?

A: October 2007

Q: What is your hometown?

A: I was born in Melrose, N.Y. I currently live in Lithia, Fla., a small town outside of Tampa.

Q: What is CENTCOM's area of responsibility?

A: The command is responsible for U.S. military relations with 20 nations stretching through the Arabian Gulf region into Central Asia, including Afghanistan, Egypt, Iran, Iraq, Lebanon, Pakistan and Saudi Arabia, as well as 50 coalition partners and five surrounding bodies of water, including the Red Sea, Persian Gulf and the Horn of Africa.

Q: What role do non-lethal weapons play in your Combatant Command?

A: In the command's area of responsibility, non-lethal weapons play an increasingly significant and strategic role in a variety of theater operations where the reduction of noncombatant civilian casualties is important. Daily theater reports document the use of both lethal and non-lethal weapons and munitions resulting from escalation-of-force incidents. Also, the command has made non-lethal weapons training a pre-deployment requirement for all deploying units.

Q: What is one of your current projects as CLO?

A: During the CENTCOM Force Protection biweekly teleconferences, I provide non-lethal weapons education and program briefings to 16 commands that support CENTCOM.

CLOs around the Globe

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Fort Leonard Wood: Home of Non-Lethal Weapons Training and Requirements

Established in 1941, Fort Leonard Wood in central Missouri trains more than 40,000 Soldiers, Airmen, Sailors and Marines annually in a variety of disciplines, including basic combat skills; chemical, biological, radiological and nuclear handling; engineering; military police; and transportation. Also located at the installation are the Interservice Nonlethal Individual Weapons Instructor Course (INIWIC), which provides “train the trainer” non-lethal weapons instruction, and the Army Nonlethal Scalable Effects Center (ANSEC), which develops non-lethal requirements for both physical systems and procedural or training-based solutions.

INIWIC is open to all branches of the military, the U.S. Coast Guard and foreign militaries that participate in U.S. security assistance programs. Course graduates are qualified to provide training and instruction for U.S. military groups on non-lethal tactics and techniques, as well as on individual non-lethal weapons and equipment fielded in the Services’ Non-Lethal Capability Sets. Graduates can also serve as subject-matter experts and advisors for non-lethal weapons, equipment, tactics, techniques and training. Since the course began in 2000, more than 3,000 personnel have graduated.

“INIWIC is in the unique position to have daily contact with members of the operating forces from every branch of Service,” said U.S. Marine Corps First Lieutenant Tyler Anderson, the officer-in-charge for the course. “This allows the course to remain at the tip of the spear and provide unprecedented real-world feedback on tactics, techniques, procedures and technologies developed for our Service members serving in and preparing to serve in harm’s way.” 1st Lt. Anderson continued, “Training, education and familiarization are key components to fielding any system, because without training, our Service members are handed very expensive paperweights.”

ANSEC develops user requirements addressing the full-range of materiel and non-materiel non-lethal solutions. The center also supports non-lethal development initiatives for other Services. As a part of this work, ANSEC serves as the designated lead for the Army in joint non-lethal acquisition efforts. To fulfill its responsibilities, the center directly supports the Joint Non-Lethal Weapons Integrated Product Team, the Joint Coordination and Integration Group, the Joint Integration Program and the Joint Non-Lethal Weapons Directorate.

ANSEC also coordinates and facilitates non-lethal training support to field commanders and Army installations, including mobile training teams and new equipment training teams for the ongoing Non-Lethal Capability Set fielding effort. The center also works with INIWIC in specific areas pertaining to Soldier students and instructor support requests.

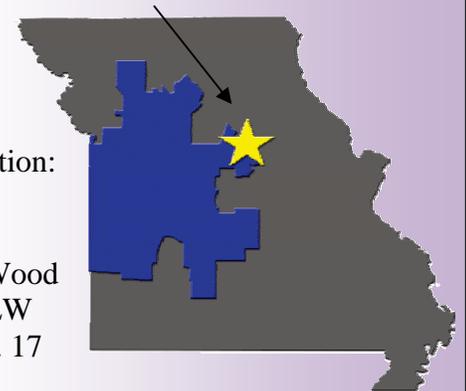
With the Joint Non-Lethal Weapons Program’s ongoing support, both INIWIC and ANSEC will continue to train and assist the Services to ensure that escalation-of-force options remain available to Service members, both now and in the future.

—BY ANNETTE BEACHAM

Fort Leonard Wood

Quick Facts:

- Congressional District: 4th
- District Population: 621,690
- Employees at Fort Leonard Wood working on NLW efforts: approx. 17



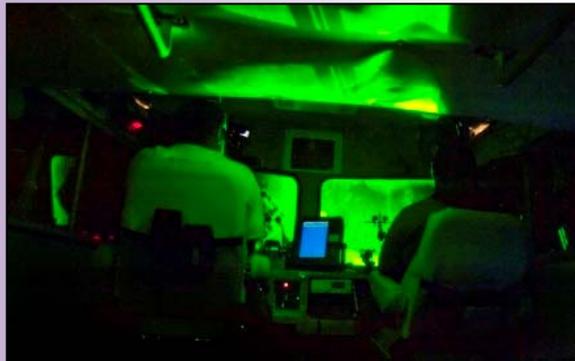


JNLWD Educates International Audiences About Non-Lethal Weapons

As the Acquisition Concepts Officer for the Joint Non-Lethal Weapons Directorate (JNLWD), Major John Gutierrez helps educate U.S. and allied government officials and military personnel about non-lethal weapons, often participating in workshops and conferences in the U.S. and overseas.

Recently, Maj. Gutierrez participated in the North Atlantic Treaty Organization (NATO)-sponsored Defense Against Terrorism (DAT-11) program's June meeting of the Non-Lethal Working Group in Copenhagen, Denmark. DAT-11 focuses on facilitating the rapid fielding of non-lethal capabilities in support of the NATO International Security Assistance Force (ISAF) mission in Afghanistan and in other counter-terrorism operations. At the meeting, the working group discussed plans for a Joint Integration Program and a NATO-sponsored non-lethal weapons exhibition in Canada in 2011. The group also talked about updating a non-lethal capabilities online catalog to support future ISAF operational planning.

At another meeting in Europe this past winter, Maj. Gutierrez presented an overview of the Department of Defense's Joint Non-Lethal Weapons Program (JNLWP) at the Infantry Weapons 2009 conference in Brussels, Belgium. The conference provided information on



An optical distracter, here shining into a vessel's windshield, is one example of a non-lethal escalation-of-force option.

Official U.S. Navy Photo

the latest trends and cutting-edge projects related to infantry weapons in a variety of areas, including weapons procurement, requirements, training, and tactics, techniques and procedures.

While most of the conference focused on lethal weapons, Maj. Gutierrez educated attendees about non-lethal options. During his presentation, he explained that non-lethal weapons provide operating forces with escalation-of-force tools that minimize casualties and collateral damage. He also discussed the JNLWP's history, focus and priorities, and current acquisition programs.

"Many attendees were interested in the JNLWP presentation, because most of them tend to think of non-lethal weapons as equipment that will tie their hands," said Maj. Gutierrez. "They don't understand how non-lethal weapons can give them a greater range of options."

Eric Damm, the JNLWP's Combatant Command Liaison Officer at U.S. European Command, agreed. "Venues like these allow the JNLWD to bring non-lethal weapons information to a much wider audience," he said. "And since 40 percent of the International Security Assistance Force in Afghanistan is from countries other than the United States, we need to make sure they are also receiving the latest available information."

Thanks to the efforts of Maj. Gutierrez, U.S. and allied military personnel, government officials and others are learning about and developing strategies to address the important role non-lethal weapons can play in providing operating forces with crucial escalation-of-force options across the range of military operations.

—BY ANNETTE BEACHAM



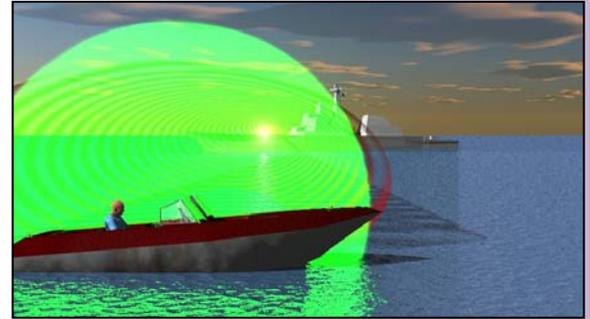
Major John Gutierrez, USMC, the JNLWD's Acquisition Concepts Officer

JNLWD photo by Annette Beacham



Global Technology Awareness Conference Features Non-Lethal Technologies

As part of the Office of Naval Research (ONR) Global Technology Awareness conference on non-lethal weapons technology last November, John Keenan, Science and Technology Program Manager at the Joint Non-Lethal Weapons Directorate (JNLWD), provided a keynote presentation to Rear Admiral Nevin P. Carr, Jr., the Chief of Naval Research, and other senior defense science and technology officials. The conference focused largely on non-lethal directed-energy technologies and gave attendees the opportunity to exchange information about non-lethal weapons development efforts.



Optical distracters and acoustics are examples of mature non-lethal directed-energy technologies with applications in a maritime environment.
Official Department of Defense Image

“ONR’s Global Technology Awareness initiative focuses on leveraging global technology while minimizing the potential for technological surprise,” said Keenan. “These briefings are crucial to maintain dialogue within the science and technology community on the importance and maturity of developing technologies. I appreciated being invited to present and learning about what my colleagues are doing in technology areas relevant to non-lethal weapons.”

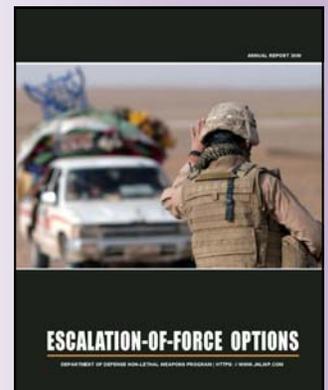
Other presenters included representatives from the Marine Corps Intelligence Activity, the Office of Naval Intelligence, the Naval Criminal Investigative Service and the Office of Naval Research Global. Technologies discussed during the three-hour review included millimeter waves, high-power microwaves, high-power radio frequencies and laser-induced plasmas. The briefing provided an international perspective of directed-energy technology development in these areas and helped identify areas for potential technology investment.

The JNLWD will remain engaged with the science and technology community through continued participation in events like ONR’s Global Technology Awareness initiative.

—BY ANNETTE BEACHAM

2009 Annual Report Available

The Department of Defense (DoD) Non-Lethal Weapons Program Annual Report 2009 is now available online on the Joint Non-Lethal Weapons Program website. The report features the year’s highlights and milestones in non-lethal weapons (NLWs) from around the globe. It details how the DoD Non-Lethal Weapons Program has been actively pursuing the development and fielding of non-lethal weapons to meet the needs of warfighters. The report discusses how NLWs have impacted the warfighter over the past year, NLW activities from each of the U.S. Combatant Commands, the latest developments in new and upcoming non-lethal technologies, education milestones and more.



The DoD Non-Lethal Weapons Program Annual Report 2009

The DoD Non-Lethal Weapons Program Annual Report 2009 is widely distributed and serves as a basic reference document for those interested in the DoD’s Non-Lethal Weapons Program. To download the 2009 Annual Report, visit https://www.jnlwp.com/public_affairs/annual_report.asp.



Hail & Farewell

Hail to:

RDML Frank Morneau, USN
U.S. Navy Voting Principal
Joint Integrated Product Team

BG Robert "Bo" Dyess, USA
U.S. Army Voting Principal
Joint Integrated Product Team

BG Douglas Anson, USA
U.S. SOCOM Voting Principal
Joint Integrated Product Team

COL John McLemore "Mack" Huey, USA
U.S. Army Voting Principal
Joint Coordination and Integration Group

CAPT Daniel Colman, USN
U.S. Navy Voting Principal
Joint Coordination Integration Group

CAPT Robert Stohman, USCG
U.S. Coast Guard Voting Principal
Joint Coordination and Integration Group

LCDR Shawn Kelley, USN
Experimentation Officer
Joint Non-Lethal Weapons Directorate

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Operations & Logistics
Non-Commissioned Officer
Joint Non-Lethal Weapons Directorate

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Brad Whitfield
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Cheryl Avent
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Joint Non-Lethal Weapons Directorate

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John Aho
Senior Program Analyst
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AMERICAN SYSTEMS

Annette Beacham
Communication Expert
Joint Non-Lethal Weapons Directorate
AMERICAN SYSTEMS

Farewell to:

BGen Mark Clark, USMC
U.S. SOCOM Voting Principal
Joint Integrated Product Team

RADM (Sel) Kevin Scott, USN
U.S. Navy Voting Principal
Joint Integrated Product Team

Col Wade Dennis, USA
U.S. Army Voting Principal
Joint Coordination and Integration Group

Col Alexander Martynenko, USMC
U.S. Marine Corps Voting Principal
Joint Coordination and Integration Group

CAPT Barry Coceano, USN
U.S. Navy Voting Principal
Joint Coordination Integration Group

CAPT Michael Price, USCG
U.S. Coast Guard Voting Principal
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