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Joint Non-Lethal Weapons Program Newsletter

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Non-Lethal Tactics at Exercise AFRICAN LION



U.S. Marines and Moroccan soldiers outfitted in body and face shields prepare to fire 12-gauge fin-stabilized rubber bullets from shotguns during non-lethal weapons training at AFRICAN LION 2010.

U.S. Army photo by Sgt. Whitney Houston

U.S. Marines instructed a Moroccan military element on non-lethal weapons tactics in Tifnit, Morocco, May 17-21 during Exercise AFRICAN LION 2010.

The Marines, from the Military Police Company, Headquarters Battalion, 4th Marine Division of St. Paul, Minn., spent two weeks with the Moroccan Army, with five days devoted to non-lethal weapons training. They focused on many technical, personal and physical techniques.

Sergeant James Forbord, a non-lethal weapons instructor serving with the Military Police Company, elaborated on the non-lethal weapons training. "It includes pepper spray, how to correctly use TASERS®, crowd control with riot shields and batons, and munitions out on the range," he said.

This training will help prepare the Moroccan Army and provide more alternatives for dealing with civil disturbances.

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Exercise AFRICAN LION (continued from page 1)

“Non-lethal training gives another option,” said Corporal Mark Stickney of Blaine, Minn., a Military Policeman and martial arts instructor serving with the Military Police Company. “You’re using other means to get a rowdy crowd to do what you need them to do. It’s better than laying hands on and hurting someone.”

The Marines and their Moroccan counterparts shared a mutual disposition and created memories and friendships as they learned non-lethal tactics. “The communication is hard, but we’ve had good interpreters, and the Moroccans are really responsive to us,” Sgt. Forbord said. “Our hope is that regardless of the challenges, we can give them another tool to diversify their tactics, while we create friendships along the way.”



U.S. Marines show Moroccan soldiers how to fire 40mm foam baton rounds from M203 grenade launchers during non-lethal weapons training at AFRICAN LION 2010.

*U.S. Army photo by
Sgt. Whitney Houston*

[Click here to see a video featuring Marines and Moroccan soldiers participating in non-lethal weapons training during Exercise AFRICAN LION 2010.](#)

—BY SGT. WHITNEY HOUSTON, UTAH NATIONAL GUARD

Joint Integrated Product Team Approves Budget and Discusses Priorities

The Non-Lethal Weapons Joint Integrated Product Team met July 22 at the Pentagon in Arlington, Va., to discuss and make decisions on non-lethal weapons programs.

The Joint Integrated Product Team includes Flag-level officers from each of the Services, U.S. Special Operations Command and the U.S. Coast Guard, who serve as voting principals on all major non-lethal weapons topics. The Joint Integrated Product Team also includes non-voting principals from the Office of Secretary of Defense, Joint Staff, Department of State, Department of Energy, Department of Justice, Department of Homeland Security and the National Guard. The Deputy Commandant for Plans, Policies and Operations at Headquarters U.S. Marine Corps, Lieutenant General Thomas D. Waldhauser chairs Joint Integrated Product Team meetings.

About 50 participants attended the July meeting. During the meeting, the Joint Integrated Product Team approved the Joint Non-Lethal Weapons Program fiscal year 2011-2017 budget. The meeting also included updates on rapid fielding initiatives, the status of non-lethal weapons in operational environments and Joint Non-Lethal Weapons Program priorities.

The Joint Integrated Product Team has scheduled its next meeting for November 18. For more information, contact Pam King, meeting coordinator for the Joint Non-Lethal Weapons Directorate, at pamela.king@usmc.mil.



As Deputy Commandant for Plans, Policies and Operations at Headquarters U.S. Marine Corps, Lieutenant General Thomas D. Waldhauser chaired the July Joint Integrated Product Team meeting.

*Official U.S. Marine
Corps Photo*

—BY JENNIFER LONDON



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Key Leaders Learn About Non-Lethal Weapons

This summer, the Joint Non-Lethal Weapons Program provided information to a variety of key leaders on the importance of non-lethal weapons and how they support U.S. military operations.



General David H. Petraeus, former Commander CENTCOM, currently Commander of ISAF and USFOR-A
Official DoD Photo

U.S. Central Command

General David H. Petraeus received a non-lethal weapons briefing from the Joint Non-Lethal Weapons Directorate Deputy Director in May as Commander, United States Central Command. The briefing focused on non-lethal current and future capabilities.

Colombian Marine Corps

Brigadier General Luis Gomez Vasquez, Commandant of the Colombian Marine Corps, and his staff visited the Joint Non-Lethal Weapons Directorate in June to learn about the Directorate's programs. The visit was part of the U.S. Marine Corps' Cooperative Visit Program, which seeks to build on the relationships between the U.S. Marine Corps and its equivalents in foreign nations. The briefing gave the officials insights into the important functions non-lethal weapons have in our military efforts.



Brigadier General Luis Gomez Vasquez (right), Commandant of the Colombian Marine Corps, receives a briefing on the Joint Non-Lethal Weapons Program from Colonel Tracy Tafolla.

JNLWD photo by Wanda Napier



Major General David C. Garza, Deputy Chief of Staff for Joint Operations in Afghanistan
Official U.S. Marine Corps Photo

Deputy Chief of Staff, HQ ISAF Joint Command Briefed

Major General David C. Garza, Deputy Chief of Staff for Joint Operations in Afghanistan, received a briefing on non-lethal weapons at the Joint Non-Lethal Weapons Directorate offices in July. Garza was most recently Chief of Staff for U.S. Southern Command, based in Miami.

The presentation educated General Garza about the Joint Non-Lethal Weapons Program and the valuable role that non-lethal weapons can play in the U.S.'s mission in Afghanistan by reducing civilian casualties and damage to infrastructure.

Joint Non-Lethal Weapons Directorate Visits Afghanistan

Joint Non-Lethal Weapons Directorate staff members traveled to Afghanistan in June to brief senior leadership of the International Security Assistance Force (ISAF) and U.S. Forces Afghanistan on non-lethal weapons and capabilities. The JNLWD staff also addressed future initiatives to include non-lethal weapons training and strategic communication.

—BY ANNETTE BEACHAM



U.S. Senator Observes Non-Lethal Weapons at NSWC Dahlgren

courtesy of Naval Surface Warfare Center Dahlgren Division Corporate Communications

U.S. Senator Ted Kaufman (D-Del) was briefed by Colonel Tracy Tafolla, Director of the Joint Non-Lethal Weapons Directorate, and observed various technical demonstrations of non-lethal weapons at Naval Surface Warfare Center Dahlgren Division, Va., on June 3.

Non-lethal weapons play an important role in the current operational environment, said Senator Kaufman, adding that it's an environment he believes U.S. armed forces will continue to face over the next several years.

Kaufman and two of his staff members observed the capabilities of technologies ranging from the Radio-Frequency Vehicle Stopper to the Pre-Emplaced Electrical Vehicle Stopper and the Distributed Sound and Light Array. The technologies are part of Directorate-funded programs executed by the Directed Energy Warfare Office at the Dahlgren facility. Kaufman also saw Active Denial Technology and a display of currently fielded non-lethal weapons, including blunt-impact munitions, flash-bang grenades, TASER® human electro-muscular incapacitation devices and vehicle arresting nets. The Directed Energy Warfare Office hosted the senator's visit in conjunction with the Joint Non-Lethal Weapons Directorate.



Colonel Tracy Tafolla, Joint Non-Lethal Weapons Directorate Director, briefs Senator Ted Kaufman on the Distributed Sound and Light Array technology demonstrator and other non-lethal technologies during Kaufman's recent visit to Naval Surface Warfare Center Dahlgren Division.

JNLWD photo by Kelley S. Hughes



The Pre-emplaced Electric Vehicle Stopper uses an electrical pulse to disable and/or stop vehicles. JNLWD staff demonstrated the device during Senator Ted Kaufman's visit to Naval Surface Warfare Center Dahlgren Division, Va.

Official Naval Surface Warfare Center Dahlgren Division Photo

Congressional Support

As a member of the Senate Armed Services Committee, Senator Ted Kaufman recently expressed his support for non-lethal weapons with an amendment he added to the Fiscal Year 2011 Defense Authorization Bill. According to Kaufman's press release on the bill, the "amendment emphasizes the importance of research and development, procurement and fielding of non-lethal weapons, given their ability to reduce military and civilian casualties and improve military mission accomplishment and effectiveness in counterinsurgency operations."

—REPORTED BY JENNIFER LONDON



Joint Non-Lethal Weapons Program Showcases Non-Lethal Weapons to the Public at Fleet Week New York

The Joint Non-Lethal Weapons Program exhibited a variety of non-lethal weapons at Fleet Week New York 2010 from May 26-June 1 at Manhattan Cruise Terminal's Pier 88. The event offered an opportunity to educate visitors about the science and safety behind the Department of Defense's (DoD's) non-lethal devices.

Fleet Week drew almost 65,000 visitors during the course of the week and included dozens of military demonstrations and displays related to the U.S. Naval Services and foreign navies. The event provided New York City and surrounding tri-state area residents an opportunity to meet the nearly 3,000 participating Sailors, Marines and Coast Guardsmen, as well as to witness first-hand their latest capabilities.

Non-lethal weapons provide many important counter-personnel and counter-materiel capabilities, including to deny, move, disable or suppress adversaries, and to stop, deny access to, disable or divert vehicles or vessels. DoD non-lethal weapons on display included vehicle-stopping devices, compressed-air marking systems, human electro-muscular incapacitation devices and the Active Denial System, a directed-energy, counter-personnel weapon.

Those who visited the non-lethal weapons display saw both familiar and new devices. Some elementary school children recognized several of the devices from video games they play. Other visitors recognized non-lethal weapons that have been featured on CBS' *60 Minutes* and Discovery Channel's *Modern Marvels* television programs.

Many visitors learned about and commented on potential non-lethal capabilities. For example, police officers saw items that could help them deter criminals who attempted to avoid arrest. A nurse commented on the non-lethal application of a language translation device with patients who do not speak English.

"A lot of in-depth scientific researching and testing goes into developing non-lethal weapons for safe use on humans that the general public may not know about," said U.S. Air Force Captain Katrina Schweiker, Ph.D., who helped answer questions at the non-lethal weapons display at Fleet Week. "Our participation in events like Fleet Week is important to help educate and address any questions or misperceptions the public may have about the capability and safety of these devices," Capt. Schweiker said.

Major Mike Fleming, a member of the Army's non-lethal weapons team, also helped answer questions at Fleet Week. "Stopping undesired actions from combatants while minimizing injury to innocent bystanders is crucial to the success of today's military missions," he said.

Through events like Fleet Week, the Joint Non-Lethal Weapons Program is continuing to educate the public about the importance of non-lethal weapons across the range of military operations.



At Fleet Week, Lieutenant Commander Pete Simonds, explains to Cadet Miguel Munoz of Bronx, N.Y., how an FN-303 Less-Lethal Launcher works.

JNLWD photo by Annette Beacham

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Joint Integration Program Members Attend Mock Prison Riots

As part of its effort to facilitate outfitting warfighters with operationally suitable and effective non-lethal weapons, the Joint Non-Lethal Weapons Directorate held its semi-annual Joint Integration Program meeting on May 5 in Moundsville, W.Va., in conjunction with the 2010 Mock Prison Riots.

The program provides a forum for coordinating a joint-Service approach to improving the Services' Non-Lethal Capability Sets and fielded non-lethal weapons capabilities. Meeting attendees included representatives from all the Services, U.S. Special Operations Command, the U.S. Coast Guard, the Combatant Commands, the Department of Homeland Security and the Bureau of Prisons.



SIMULATED RIOT CONTROL:
Law enforcement personnel use non-lethal pepperball guns while engaging in simulated riot control operations during the 2010 Mock Prison Riots in Moundsville, W.Va. The mock riots were held in combination with the semi-annual Joint Integration Program meeting in May.

National Institute of Justice photo by Don Feenerty

“The Joint Integration Program is a great way for the Services to learn about what non-lethal weapons, devices and munitions the other Services are fielding and their experiences with these escalation-of-force tools,” said Frank Hubbard, Joint Integration Program Manager for the Joint Non-Lethal Weapons Directorate.

Joint Integration Program meeting attendees also had the opportunity to attend the 2010 Mock Prison Riots, which were held at the former state penitentiary in Moundsville.

With more than 40 industry partners represented at the event, the Mock Prison Riots gave attendees the chance to network with non-lethal weapons capability vendors and see products in action during mock prison riot scenarios.

The next Joint Integration Program meeting is scheduled for May 2011. For more information, contact Frank Hubbard at james.f.hubbard@usmc.mil.

—BY JENNIFER LONDON

Joint Integration Program meeting highlights included:

- A discussion of the ongoing Non-Lethal Munitions Characterization Studies. The studies focus on domestic and foreign munitions manufacturers' products and capabilities. The Joint Non-Lethal Weapons Program plans to use the information gathered in the studies to produce more accurate computer programs that simulate human effects testing.
- A brief detailing the Air Force's Non-Lethal Range Requirements Study contract award. The Services and other Joint Integration Program groups plan to use information gathered from the study to assist in setting up non-lethal-specific firing ranges at military installations.





Services Hold Integrated Concept Team Meetings

As part of individual Service efforts to incorporate non-lethal capabilities into their operations, each Service, as well as Special Operations Command (SOCOM) and the Coast Guard, holds annual or semi-annual Non-Lethal Weapons Integrated Concept Team meetings. At these meetings, representatives from different organizations within that Service discuss non-lethal weapons programs and technologies, identify non-lethal weapons requirements and share their experiences using the weapons. During the past several months, the Army, Air Force and SOCOM have held Integrated Concept Team meetings.

SOCOM

SOCOM held its Integrated Concept Team meeting on February 11 in St. Petersburg, Fla. Attendees reviewed and discussed SOCOM's non-lethal weapons objectives and current non-lethal weapons programs and technologies. Other discussion topics included escalation-of-force and counter-insurgency operations in SOCOM's area of responsibility. For more information, contact Robin Burdick, SOCOM's Non-Lethal Weapons Integrated Concept Team lead, at robin.burdick.ctr@socom.mil.

—REPORTED BY JENNIFER LONDON



Army

The U.S. Army Integrated Concept Team met June 29-30 in St. Charles, Mo. Attendees received updates from the Sustainment Center of Excellence, which included a discussion of the non-lethal weapons that were successfully used during Haiti relief operations, as well as briefs on various non-lethal weapons programs and efforts. Project managers for Close Combat Systems shared that the 40mm Airburst Non-Lethal Munition has achieved Milestone B, an important step in the process to acquire and field the munitions to Soldiers, and that all testing efforts for the Acoustic Hailing Device are complete. Attendees also discussed the Army's prioritization of joint non-lethal capability gaps. The Army has scheduled its next Integrated Concept Team meeting for Jan. 12-13 in Scottsdale, Ariz. For more information, contact Tim Lee, the Army's Non-Lethal Weapons Integrated Concept Team project officer, at timothy.j.lee@us.army.mil.

—REPORTED BY JENNIFER LONDON



Air Force

The U.S. Air Force held an Integrated Concept Team meeting August 23-24 at Lackland Air Force Base in San Antonio, Texas. The meeting focused on the revalidation of Air Force capability gaps and non-lethal priorities based on the *Air Force Capabilities-Based Assessment* and *Functional Solution Analysis*, major command non-lethal requirements, program updates, joint basing and waterfront security issues/capability gaps and possible uses for the Non-Lethal Remote Deployment Device. The Air Force will use the results to develop its non-lethal weapons/capabilities roadmap, which will highlight solutions to meet future non-lethal weapons requirements. For more information, contact Sal Hernandez, the Air Force's Non-Lethal Weapons Central Action Officer, at salvador.hernandez@us.af.mil.

—REPORTED BY ANNIE WHEATON





CLO in Action: Alex Sosa at U.S. Southern 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.



**SOUTHCOM
CLO Alex Sosa**

*Photo by
Elizabeth Sosa*

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

A: November 2008

Q: What is your hometown?

A: Miami

Q: What is your area of responsibility?

A: SOUTHCOM conducts military operations, promotes security cooperation and builds partner nation capacity in 32 countries and their surrounding waters, including 19 in Central and South America and 13 in the Caribbean.

Q: What role do non-lethal weapons play in SOUTHCOM?

A: In the SOUTHCOM area of responsibility, non-lethal weapons will play a vital role in future regional security and partner nation involvement in the stability of the region. Non-lethal weapons training and education foster and facilitate SOUTHCOM's contingency and strategic planning efforts for development of partner nation capacity building, which is instrumental for regional security.

Q: What were your latest travels as CLO?

A: I assisted with TRADEWINDS, an annual partner nation training exercise in April. This year's exercise was held in Belize and included non-lethal weapons training for more than 350 partner nation military and police personnel. Most recently, I attended SOUTHCOM's Joint Maritime Asymmetric Warfare Working Group meeting, which included a Joint Non-Lethal Weapons Program presentation and static display featuring non-lethal weapons.

CLOs around the Globe

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Hail & Farewell

Hail to:

Gen James F. Amos, USMC
Commandant of the Marine Corps
Department of Defense Non-Lethal
Weapons Executive Agent

LtGen Richard T. Tryon, USMC
Deputy Commandant for Plans, Policies
and Operations
Joint Integrated Product Team Chairman

Maj Gen Timothy Hanifen, USMC
U.S. Navy Voting Principal
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BGen Dan O'Donohue, USMC
U.S. Marine Corps Voting Principal
Joint Integrated Product Team

BGen Steven Busby, USMC
Joint Staff J-8 Non-Voting Principal
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Farewell to:

Gen James T. Conway, USMC
Commandant of the Marine Corps
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LtGen Thomas D. Waldhauser, USMC
Deputy Commandant for Plans, Policies
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U.S. SOCOM Voting Principal
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LtCol Anne Barrett
Health Effects Officer
Joint Non-Lethal Weapons Directorate



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Hail & Farewell (continued from page 10)

Hail to:

MAJ Irving Sanchez, USA
U.S. SOUTHCOM Non-Voting Principal
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Technical Evaluation Review Panel

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Program Support Officer
U.S. Coast Guard

Anthony Lewis
Working Level
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Mike Fincher
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John Thomas
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Joint Non-Lethal Weapons Directorate

Upcoming Events

November 29: 27th Army Science Conference
Orlando, Fla.
Visit www.armyscienceconference.com/overview.htm.