

# GLOBAL DEMILITARIZATION SYMPOSIUM

*“ENERGIZING THE DEMILITARIZATION ENTERPRISE THROUGH  
TEAMWORK, INNOVATION, AND EFFICIENCY”*



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DECEMBER 7-9, 2015

EVENT #6580

HILTON PARSIPPANY • PARSIPPANY, NEW JERSEY

**MONDAY, DECEMBER 7TH**

1500 - 1700 Early Bird Registration and Tabletop Setup - Preassembly

**TUESDAY, DECEMBER 8TH**

0700 – 0800 Registration and Continental Breakfast - Preassembly

0800 – 0810 Welcome Remarks - Nobel A

MG Barry Bates, USA (Ret.), Vice President, Operations, NDIA

PEO Ammo Welcome and Introductions

Colonel Joseph H. Chan, Project Director, Joint Services

0810 – 0830 PEO Ammo Keynote Address

Mr. Jim Shields, PEO Ammunition

0830 – 0850 JMC CG Remarks

BG Stephen E. Farmen, Commanding General, Joint Munitions Command

0850 – 0910 OSD Top Level Address & DDESB Remarks

Mr. Thierry Chiapello, Chair & Director, Department of Defense Explosives

Safety Board, Office of the Undersecretary of Defense, Installations and Environment

0910 – 1000 Break - Preassembly

1000 – 1110 PM Demil/Demil Strategic Execution Plan Presentation - Nobel A

LTC Terry Crank, PM Demil, PEO Ammunition & Mr. Michael Roe, Logistics Management Specialist, JMC

1110 – 1130 R&D Status Update

Mr. Orest Hrycak, Chief Engineer, OPM Demil, PEO Ammunition

1130 – 1300 Lunch - Nobel D

1300 – 1330 Reconvene/Byrd Award Presentation - Nobel A

1330 – 1400 JMC Execution

Mr. Rickey Peer, Chief, APE & Demil Management Division, Joint Munitions Command

1400 – 1430 AMCOM Execution

Mr. Art Ather, Director, Missile Demil, US Army Aviation & Missile Command

1430 – 1500 Break - Preassembly

1500 – 1700 Concurrent Breakout Sessions:

	Breakout 1 - Nobel A (Session Chair - Mr. Steve Barrieres, Engineer, OPM Demil, PEO Ammunition)
1500 - 1520	A Productivity Improvement Study of the APE-1236M2 Rotary Kiln Incinerator (Francis Sullivan, ARDEC)
1530 - 1550	Advanced Pollution Control Techniques for EWI (Bob Hayes, EDE, Inc)
1600 - 1620	Demilitarization of FASCAM Items (Peter Mullaney, ARDEC)
1630 - 1650	Missile Demilitarization Technology Integration Efforts (Jeffrey Wright, AMRDEC)

	Breakout 2 - Nobel B (Session Chair - Mr. Orest Hrycak, Chief Engineer, OPM Demil, PEO Ammunition)
1500 - 1520	
1530 - 1550	Cryofracture Demilitarization of ADAM Anti-Personnel Landmines (Gary Mescavage, ARDEC)
1600 - 1620	Evaluation of Heat Transfer Technologies as a Method to Remediate Firing Positions (Sheldon Downe, Canadian DND)
1630 - 1650	A Green Approach to Convert Energetics to Biofuels (Pamela Sheehan, Leidos)

	Breakout 3 - Nobel C (Session Chair - Mr. Andrew Frazell, Project Engineer, OPM Demil)
1500 - 1520	Fuze & Landmine Demilitarization, producing “Certified as Safe” material while meeting EPA NEW MACT Standards (David Kautz, US Demil, LLC)
1530 - 1550	Dynasafe R&D in Demilitarization (Gene Wells, Dynasafe)
1600 - 1620	SDC Testing at Anniston Army Depot (David Strickland, ARDEC)
1630 - 1650	Application of Contained Burn Technology (Bob Hayes, EDE Inc)

1700 – 1830 Networking Reception - Preassembly

**WEDNESDAY, DECEMBER 9TH**

- 0730 – 0800 Registration and Continental Breakfast - Preassembly
- 0800 – 0820 JOCG Demil Subgroup Update - Nobel A
  - Ms. Jacqueline Holcum, Chairperson, JOCG Demil Subgroup
- 0820 – 0840 JOCG Environmental Subgroup
  - Dr. Randy Cramer, Chairperson, JOCG Environmental Subgroup

## DEMILITARIZATION SYMPOSIUM

0840 – 0900	ICAP Update Mr. Jeff Brunozzi, Vice President & General Manager, Large Caliber Ammunition, General Dynamics Ordnance & Tactical Systems
0900 – 0920	NSPA Update Mr. Tom Van Beneden, Project Officer, NATO Partnership for Peace (PfP) Trust Fund Projects Ammunition Support Branch, NATO Support and Procurement Agency (NSPA)
0920 – 0925	General Session Closing Remarks LTC Terry Crank, PM Demil, PEO Ammunition
0925 – 0950	Break - Preassembly
0950 – 1200	Concurrent Breakout Sessions:

	Breakout 1 - Nobel A (Session Chair - Mr. Steve Barrieres, Engineer, OPM Demil, PEO Ammunition)
1000 - 1020	Thermal Treatment of NC Propellant; Answering the Need (Donald Gambill, GD-OTS)
1030 - 1050	Off Normal Assets; How had can that be? (John Adams, GD-OTS)
1100 - 1120	Application of Automation in Demilitarisation Processes (Karsten Wohler, SAB)
1130 - 1150	The Benefits and Flexibility of Mobile Demilitarisation Systems (David Hopps, DHA Global)

	Breakout 2 - Nobel B (Session Chair - Mr. Orest Hrycak, Chief Engineer, OPM Demil, PEO Ammunition)
1000 - 1020	P3/ARMS 101 (JoEtta Fisher, JMC)
1030 - 1050	EPA Update Evolving Environmental Issues and Practices (Kenneth Shuster, EPA)
1100 - 1120	DODI 4140.62 "MPPEH" - Explanation & Successful Application (Dan Linehan, USATCES)
1130 - 1150	

	Breakout 3 - Nobel C (Session Chair - Mr. Rich Vanaman, Project Officer, OPM Demil)
1000 - 1020	155mm M483A1 D563 Projectile Download and Metal Parts Recovery (Saleem Ghazi, PEO Ammo)
1030 - 1050	Liquid Propulsion Demilitarization & Disposal Program (Jeffrey Lee, AMRDEC)
1100 - 1120	Demil in Australia (Chris Deighton, Pentarch)
1130 - 1150	Case Studies of Rapid Chemical Destruction of Bulk and Residual Energetics (Dr. Valentine Nzengung, MuniRem Environmental, LLC)

1200 Conference Adjourn

## KEYNOTE SPEAKER BIOGRAPHIES



### Major General Barry Bates, USA (Ret), Vice President, Operations, National Defense Industrial Association

Prior to retirement from the U.S. Army on 1 January 2003, General Bates served as the Commander, 19th Theater Support Command, Eighth U.S. Army, Republic of Korea. In this capacity he was responsible for logistics support and installation management for U.S. Army forces in Korea, as well as for planning wartime logistics to support U.S. Army units deploying to Korea in the event of hostilities.

Previous positions held include Commander, Army and Air Force Exchange Service, Dallas, Texas; G4, Eighth U.S. Army / J4, U.S. Forces Korea / Deputy C4, Combined Forces Command (ROK/US), Republic of Korea; and Vice Commander, Army and Air Force Exchange Service, Dallas, Texas.

During his 32 years of military experience, General Bates has held a variety of command and staff positions in both the continental United States and overseas, serving multiple tours of duty in a joint

command environment. He has held both command and staff positions in supply, maintenance and field services organizations, and in the Army's Training and Doctrine Command.

General Bates is a graduate of Oklahoma State University with a BS in Business and holds an MS Degree in Logistics Management from the Florida Institute of Technology. He is a graduate of the Industrial College of the Armed Forces and has been recognized as a Certified Professional Logistician by the Society of Logistics Engineers.



### Colonel Joseph H. Chan, Project Director, Joint Services

Colonel Chan hails from Brooklyn, NY and is a graduate of the Polytechnic Institute of New York University (NYU-Poly) and the Florida Institute of Technology (FIT). At NYU-Poly, COL Chan completed Reserve Officer Training Corps in 1990 and received his commission in the Infantry and a degree in Mechanical Engineering. In 2005, he earned a Master of Business Administration in Materiel Acquisition Management from FIT.

He is a graduate of the Executive Program Manager's Course and the Program Manager's at the Defense Acquisition University, the Army Command and General Staff College, Ft. Leavenworth KS, the Combined Logistics Officer Advanced Course, Ft. Lee, VA and the Infantry Officer Basic Course, Ft Benning, GA.

His most recent assignment was at the Pentagon as the acquisition advisor in the Deputy Chief of Staff for Intelligence. Other acquisition assignments include: Product Manager for Counter-mine and EOD, Fort Belvoir, VA; multiple jobs within the Future Force Integration Directorate

(FFID) and TRADOC Capabilities Manager for Future Combat Systems, Fort Bliss, TX; Assistant Product Manager in the Rapid Equipping Force, Fort Belvoir, VA; Maneuver Systems evaluator in the US Army Test and Evaluation Command, Alexandria, VA; and Combat Developer in the Directorate of Combat Developments- Ordnance, Fort Lee, VA.

His operational assignments include: Company Commander in the 189th Corps Support Battalion, Fort Bragg, NC; Assistant Battalion Operations Officer and Company Executive Officer in the 325th Forward Support Battalion, Schofield Barracks, HI; and Rifle Platoon Leader in the 3rd Battalion, 22nd Infantry, Schofield Barracks, HI.

COL Chan's military awards and decorations include the Meritorious Service Medal, the Army Commendation Medal, the Army Achievement Medal, the Armed Forces Expeditionary Medal, the Afghanistan and Iraq Campaign Medals, the Global War on Terrorism Service Medal, and the Humanitarian Service Medal.



**Mr. James Shields, PEO Ammunition**

Mr. James Shields became the Program Executive Officer Ammunition in July 2014. The PEO Ammunition mission is to execute life cycle management of munitions and serve as the Department of Defense Single Manager for Conventional Ammunition. With a FY14 operating budget exceeding \$2.4 billion, the PEO manages conventional ammunition for all our armed Services and certain allied partners and equips Soldiers with mortar systems, countermine and counter improvised explosive device systems.

Previously Mr. Shields served as the Deputy Program Executive Officer Ammunition since November 2009, Joint Program Manager (JPM) and Deputy JPM for the Joint Lightweight 155mm Howitzer (JLW155); Chief, Systems Engineering Division, Crusader self-propelled artillery system; Team Leader, Wide Area Mine (WAM); and Mechanical Systems Specialist, International Programs Office, Autonomous Precision Guided Munitions (APGM).

Mr. Shields graduated from Rutgers University with a Bachelors of Science degree in Mechanical Engineering and received a Master of Science degree in Mechanical Engineering from Stevens Institute of Technology. He is a graduate of the Program Management Course and the Executive Program Management Course of the Defense Systems Management College.

Mr. Shields is a member of the Army Acquisition Corps, the American Society of Mechanical Engineers, the Association of the United States Army, and the United States Army Field Artillery Association. His awards include the Department of the Army's Decoration for Exceptional Civilian Service, Meritorious Civilian Service Medal, and Superior Civilian Service Medal; the National Defense Industrial Association's Award for Outstanding Achievement in Production; and the Field Artillery Association's Ancient Order of Saint Barbara Medal.



**BG Stephen E. Farnen, Commanding General, Joint Munitions and Lethality Life-Cycle Management Command and Deputy Commanding General, U.S. Army Joint Munitions Command**

Brigadier General Stephen E. Farnen assumed the duties of commanding general of the Joint Munitions and Lethality Life-Cycle Management Command and Joint Munitions Command on July 9, 2015. The JM&L LCMC executes integrated life-cycle management and provides ready, reliable, and lethal munitions at the right place, at the right time, at the right cost. He also serves as the Deputy Commanding General, Army Sustainment Command.

Brigadier General Farnen's command positions include: Commanding General, 19th Sustainment Command (Expeditionary), Republic of Korea; 26th Chief of Transportation, Commandant Transportation School, Fort Lee, Virginia; Commander, 598th Transportation Brigade (SDDC), Rotterdam, the Netherlands (EUCOM/AFRICOM); Military Surface Deployment and Distribution Command, United States Transportation Command; Deputy Commander, 29th Support Group,

21st Theater Support Command, United States Army Europe and Seventh Army, Germany; Commander, 28th Transportation Battalion, 37th Transportation Command, 21st Theater Support Command, United States Army Europe and Seventh Army, Germany; and Logistics Task Force 28 in OPERATION IRAQI FREEDOM (2005-2007); Commander, D Company, 782nd Main Support Battalion, 82d Airborne Division, Fort Bragg, North Carolina; Commander, D Company, 407th Supply and Transportation Battalion, 82d Airborne Division, Fort Bragg, North Carolina.

He has also served in a variety of assignments to include: Executive Officer to the Department of the Army G-4, United States Army, Washington, D.C.; Joint Staff Logistics Officer, later Executive Assistant to the Director for Logistics, J-4, The Joint Staff, Pentagon, Washington, D.C.; Battalion S-3, later Executive Officer 28th Transportation Battalion, 37th Transportation Command, 21st Theater Support Command, United States Army Europe and Seventh Army, Germany (OPERATIONS JOINT GUARD, ALLIED FORCE); Chief,

Movements and Deployment Branch and later Executive Officer to the Deputy Chief of Staff, Logistics, United States Army Europe and Seventh Army, Germany; Battalion S-2/3 782nd Main Support Battalion (MSB), 82nd Airborne Division, Fort Bragg, North Carolina (OPERATION UPHOLD DEMOCRACY); Logistical Operations (Transportation) 7th Transportation Battalion, 1st COSCOM (OPERATION DESERT STORM); Battalion S1, 99th Forward Support Battalion, 9th Infantry Division (Motorized), Fort Lewis, Washington; Platoon Leader, 497th Transportation Company, 80th Ordnance Battalion, 593d Area Support Group, Fort Lewis, Washington. He graduated from the University of Richmond, Virginia, in 1986 with a Bachelor of Arts Degree in History and was commissioned into the Transportation Corps. He holds a Master's Degree in National Security and Strategic Studies from the Naval War College. His military education includes the Transportation Basic and Advanced Courses, and the United States Naval Command and Staff College. Brigadier General Farmen completed a Senior Service College Fellowship as the first military fellow at the Massachusetts Institute of Technology's Center for Transportation and Logistics. In addition, he attended the Joint Forces Staff College in Norfolk, Virginia. Personal awards and decorations include the Distinguished Service Medal, Legion of Merit (with two Oak Leaf Clusters), the Bronze Star Medal, Defense Meritorious Service Medal, Meritorious Service Medal (with three Oak Leaf Clusters), Army Commendation Medal (with two Oak Leaf Clusters), Joint Service Achievement Medal, Army Achievement Medal, Joint Meritorious Unit Award, Meritorious Unit Citation, Army Superior Unit Award, Senior Parachutist Badge, and the Joint Chiefs of Staff Identification Badge.



**Mr. Thierry Chiapello, Executive Director, Department of Defense Explosives Safety Board, Office of the Assistant Secretary of Defense, Energy, Installations and Environment**

Mr. Thierry Chiapello's career spans 26 years and includes 21 years Federal civil service and 5 years active duty in the United States Marine Corps. During that time he has held positions and assignments in logistics, military munitions management, explosives safety, and environmental compliance/sustainability. Executive Director and Chairman DoD Explosives Safety Board (DDESB) 2005-Present After completing ICAF, Mr. Chiapello was hired at the DDESB in October 2005 as the Chief Management Officer tasked with leading the DDESB's transformation. He develop the and executed a comprehensive plan to add value to the Joint War-fighting mission and acquired necessary resources to successfully integrate explosives safety across the DoD. In June 2007 he was appointed as the Executive Director and he has been the Chairman since 2013 (acting). Mr. Chiapello's responsibilities include: leading and managing the 30-person DDESB staff, developing and executing the DDESB strategy, acquiring and managing resources,

integrating explosives safety tenets throughout the military munitions lifecycle and providing support to the Service Components and Combatant Commanders. Mr. Chiapello is the U.S. Head of Delegation to the NATO Conference of National Armaments Directors, Ammunition Safety Group and Chairs the Logistics Committee's Explosives Safety and Munitions Risk Management Panel. Head, Logistics Division Marine Corps Systems Command (PM for Ammunition) 1998-2005. During this time his responsibilities included serving as USMC's voting Board Member to the DDESB, managing the Marine Corps' explosives safety program and planning military munitions sustainment for Marines during training, operations, and contingencies. From 2004-2005 he attended the Industrial College of the Armed Forces. Head of the Environmental Compliance and Training Program at Marine Corps Base Camp Lejeune, NC. 1994-1998. Mr. Chiapello managed the base's compliance with Federal and State environmental regulations. Mr. Chiapello developed and award winning 40-hr training course for Marines and routinely trained personnel from numerous installations. During his time at MCB Camp Lejeune he trained over 1,000 Marines and civil servants on processes and requirements that resulted in balancing the mission with the environment. Logistics and Environmental Compliance Officer, USMC 1989-1994. During this time he provided Logistics support during Desert Shield and Desert Storm. His responsibilities included preparing Marine Corps expeditionary units' and their equipment for deployments and training as well as inspecting these units for compliance with environmental regulations. During his military career, he deployed twice with the 26th Marine Expeditionary Unit in support of Operations DS/DS and other multinational training and operations.

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**GENERAL DYNAMICS**  
Ordnance and Tactical Systems

General Dynamics Ordnance and Tactical Systems manufactures large-, medium- and small-caliber direct and indirect-fire munitions; and is a leader in the development and production of lightweight tactical vehicles, weapons and armament systems. The company designs and produces shaped charge and penetrator warheads; and manufactures precision metal components for missiles, rockets, radomes and composite structures for the commercial, aerospace and defense markets. The company also produces propellants and non-lethal and force-protection products. More information about General Dynamics Ordnance is available at [www.gd-ots.com](http://www.gd-ots.com)

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From its Dallas, TX headquarters Expal USA operates on 3 sites in the US. The Load, Assemble and Pack facility and a pyro-technic manufacturing facility are located on the 120-acre site in Marshall Texas. The other manufacturing facility is located within Camp Minden (the ex Louisiana Army Ammunition Plant), where Expal USA operates a continuous energetics pilot plant based on twin-screw extruder technology for the manufacture of high viscosity explosives and other energetic materials that cannot be mixed by conventional methods. The third site located adjacent to the Red River Army Depot in Hooks Texas will be dedicated to demilitarization, this "Texarkana" site will be operational in 2016.

EXPAL USA is the US subsidiary of the renowned European defense company, EXPAL, which owns and operates 9 factories in Europe. Including Demilitarization Plants in Denmark, Italy, Spain and Bulgaria.

EXPAL has more than 30 years of experience in the area of demilitarization with more than 1,000 different references from the Armed Forces of many countries and NATO, including national and international programs for the eradication of anti-personnel landmines and cluster munitions.

EXPAL has an engineering team exclusively dedicated to the activity of demilitarization and is able to design individualized plans for each issue and provide expert advice. EXPAL is committed to R3 (recovery, recycling and reuse) as the basis for all its demilitarization programs.



EXPAL manages the entire lifecycle of ammunitions and explosives, from their design, development, manufacturing, until their destruction at the end of their working life. EXPAL not only manufactures complete weapon systems for Land, Sea and Air Forces but also manufactures the components for itself and other defense contractors, it manufactures gun propellants including their principle ingredients nitrocellulose and nitroglycerine, projectile bodies and body forgings including 60mm mortar, 155mm artillery shells and Mk 84 bombs. EXPAL has products in service with the armed services of more than 40 countries.

EXPAL is the defense arm of MAXAM, which since its formation in 1872 by Alfred Nobel has developed into a leading industrial group for civil explosives and initiation systems for the mining, quarry and construction; hunting cartridges and gunpowder for sporting use.

## THANK YOU TO OUR REGISTRATION SPONSOR



Nammo Demil Division has more than 40 years of experience in demilitarization with operational facilities at Nammo Buck GmbH, Germany, Nammo Vingåkersverken AB in Sweden and Nammo NAD AS Norway.

In addition to operational sites Nammo Demil Division AB manages international programs supported by Nammo Demil LLC based in the USA.

The Demil Division is specialized in handling excess, outdated and obsolete conventional ammunition. The processes used by the Division encompass the highest standards of safety and environmental consideration.

Our services also include turnkey demilitarization plant/process/equipment projects including consultancy, design, construction, delivery, supervision, start-up and on-site project management as well as operator training and through life operational support.

Disposing of stockpiled obsolete or surplus ammunition in a responsible manner is a principle that is shared by many countries. Nammo Demil Division is able to rapidly, safely and cost effectively dispose of such products while minimizing damage to the environment.

We strive to develop better processes, always seeking innovative solutions to the complex challenges of today. Through investment in research and development, ensuring we're constantly at the forefront of demilitarization capabilities and technological advances.

Our demilitarization abilities span from small caliber conventional munitions, through to highly complex cluster ammunition, aircraft bombs and missile systems

Our philosophy in processing the ammunition is to remove the explosive content and then where possible recycle materials including the energetics and use them for other purposes in the civilian market. This is known as the R3 Philosophy and stands for Resources Recovery and Recycling

## **TABLE TOP DISPLAYS**

**ARCTECH Inc. USA**

**Dynasafe US LLC**

**El Dorado Engineering, Inc.**

**EPC Logistics, LLC**

**Expal USA**

**General Dynamics - OTS**

**Gradient Technology**

**MuniRem Environmental, LLC**

**Safety Management Services**

**SAB - Sonderanlagenbau Nord GmbH**