



The Inner Perimeter

The Products, People and Training Inside
Defense Technology/Federal Laboratories®

Spring - Summer 2005

Volume 2, Number 1

INSIDE THIS ISSUE

- 1 Safety is a top priority whenever handling and deploying a Distraction Device®**
- 2 Introducing the Force Array. A force model correlating with DT/FL less lethal options.**
- 3 Training News**
- 4 New Product**
A Word on ICT/LCT
DT/FL People

CONTACT INFO

CUSTOMER SERVICE
(877) 248-3835

WEB SITE
www.defense-technology.com
www.federallaboratories.com

MAILING ADDRESS
PO Box 248
1855 South Loop
Casper, WY 82602

Best Practices for the Distraction Device®

Remember that guy named Murphy? You know the one who came up with the law - "If anything can go wrong it will." I'm paraphrasing of course, but I think you know the quote. I don't know what could have happened prompting him to come up with this one, but he makes a good point.

I know you can think back to a time when something went terribly wrong for you and the first thing that came to your mind was *How the heck did that happen?* I can recall asking myself that question several times in my career. I'm just plain lucky that it wasn't as bad as it could have been. Sometimes that best laid plans, go as intended. When something does go wrong, you are allowed to blame Murphy, but only after a critique of self, team and equipment.

Distraction Devices are low explosive devices used to distract or disorient suspects to obtain or regain a tactical advantage. For the most part, they are hand deployed through doors or sometimes through windows on a pole. These pyrotechnic noise-flash devices are very effective when used correctly and judiciously. They are an important and valuable life-saving tool used by specialized teams to overwhelm suspects and avoid gunfights. They can also be very dangerous if misused.

A Distraction Device® deserves the respect of a loaded firearm. The purpose of this article is to put forth *Best Practices* for the safe use and handling of DDs along with the recommendation that you review your policies. Try to predict the issues that can and sometimes do go wrong, and be prepared to defend your actions. I agree with the saying, "If it ain't broke, don't fix it," but just because you haven't had a "Murphy"... yet, doesn't mean your time isn't just around the corner. Is there a better and safer way to get the job done? Murphy is waiting to catch you taking that chance. Remember these are Best Practices with regard to safety, they are not necessarily the practices that will facilitate the logistics of a tactical operation. Therefore, through your own experience and level of training with distraction devices you may choose on your own to go beyond scope of some recommendations.

- 1 Only officers trained by a certified instructor should be issued DD's.
- 2 DD's should be issued prior to the beginning of an operation and returned to an ATF approved secure storage area afterwards.
- 3 Conduct a mechanical inspection of the device at the beginning and end of the tactical operation.
- 4 All DD training must be documented.
- 5 A usage log must be maintained on all DDs as required by the ATF.
- 6 DD's are intended to be used for tactical operations and training only.
- 7 Know the safety equipment required for DD's and never omit them from training or operations.
- 8 You must exercise due diligence at every deployment to identify the hazards associated with deployment.
- 9 Only the person holding the device, or in control of it on a pole or command initiated setup, should initiate the device.
- 10 Do not bend the pins prior to pulling it. If you find it difficult, you should spend more time in the weight room.
- 11 A reusable Multi-Port Plus or #25 gun steel DD body can only be used 25 times - there are no exceptions.
- 12 Every end-user agency must have a policy regarding deployment, documented training and the requirement to LOOK before deploying.

Special thanks to Sandy Wall, our South Texas Sales Rep, for submitting this brief article. Sandy is retired from Houston PD with over 20 years of SWAT

Introducing the Force Array

Placing DT/FL Less-Lethal Options Within a Force Model

If one were to consider use of force by the police, it seems straightforward: When someone poses a physical threat to another, officers are authorized to intervene with force, sometimes requiring the use of a weapon. The standard established by the Supreme Court in *Graham vs. Connor* also sounds like common sense, essentially asking the question what would an "objective" and "reasonable" person do in similar circumstances? That's easy to understand and it should be simple, but it's not. In spite of the fact that officers make split-second use of force decisions, it can take weeks or even months to investigate and ultimately decide whether or not an officer's action was justified.

To put force into the best perspective, trainers, policy makers and sometimes even prosecutors use visual models of force, called a Force Continuum. The first models were linear representations beginning with an officer's presence and escalating to deadly force. A linear model could also be expressed in reverse order, called a de-escalating model. Another variation of the force continuum is a circular model, placing the officer in the center of the circle surrounded by all of his options. Circular models reinforce that an officer's options are not evaluated in a series or steps, instead each option is immediately available to the officer depending on the situational threat.

Defense Technology/Federal Laboratories® has been in the business of designing and manufacturing less-lethal force options for over 75 years, beginning with tear gas munitions and evolving to First Defense®, the Distraction Device®, and Specialty Impact Munitions. Our product range is extensive, addressing a wide range of confrontational situations and operational ranges. In the past, we have grouped our products by category or based on the solution they provide. Products from DT/FL have several things in common. They are all used with a non-lethal intent, from stand-off to place distance between an officer and a threat, and to varying degrees they will likely cause pain and injury. To keep our

force options in the best perspective for our customers, DT/FL introduces the Force Array. Borrowing from the circular model, the Force Array approximates each DT/FL product to a level force.

This model has been used for years to educate and guide officers attending the DT/FL Instructor Certification Program. To broaden the understanding of each DT/FL option we offer, we will begin using the Force Array in more of our product presentations. The Force Array defines force in six broad categories: Officer Presence, Verbal Commands, Soft Physical Techniques, Hard Physical Techniques, Hard Intermediate Weapons, and ends with Deadly

The level of the threat and the situation drives one's decision of which force option to use, not the product or the technology.

Force. A singular DT/FL option can be placed into one of these force categories. For example, in the DT/FL training program, we take the position that First Defense® is low on the force continuum equating to soft physical techniques. This means that in situations where an officer is justified in putting his hands on a subject to force compliance or overcome resistance, First Defense® may also be used as an option that gives the officer the added benefit of stand-off.



Back in the good old days, an officer had his hands, a baton, a gun and perhaps a can of mace. So, the choice of what to use was much simpler. Today the list of options is longer and it continues to grow. Imagine if there were such a thing as a "magic bullet" - a force option that could be used for every scenario, at any distance with 100% effectiveness, 100% reliability and virtually no permanent health risks. Now that

would be the Holy Grail for police and correctional officers. For now it's a pipe dream and we are still at a place in time where we have to choose from a set of options. Hopefully, models like the Force Array will help you make the best force decisions.

The Training Report: Crowd Management Course

Check out the training calendar at:
www.armortrainingacademy.com



The newly revamped Crowd Management Instructor Course was unveiled the week of April 25-29 in Dublin, CA. The new course comes with a new curriculum and it is taught by some of the foremost experts in crowd control throughout the world. Each instructor comes to Defense Technology/Federal Laboratories® and the Armor Training Academy® with extensive knowledge of crowd management having trained officers and served as consultants in the area of crowd management worldwide.

The class consisted of 18 students and was held near the Oakland, CA area. The course consisted of classroom and practical exercises. Topics taught dealt with past history, intelligence gathering, protester tactics, formations, and equipment. Practical exercises were performed with Monadnock® Batons, Hatch® ExoTech Suits and Defense Technology/Federal Laboratories® munitions.

The response from the students was outstanding. "I recommend any administrator writing policy related to crowd management or less lethal/chemical munitions attend this class. We look forward to holding many of these classes in the future" - Chief Shane Diller, Isleton Police Department. "The principles set forth by the instructors laid the foundation every crowd control team should go by. The hands on attitude of the course was the best" - Sgt. Dwaine Montes, Alameda County Sheriff's Office.

DT/FL and the Armor Training Academy look forward to many successful courses and we extend a warm welcome to the new members of our training cadre.

Tom Burns - Tom is a 15 year veteran with the Seattle PD who has worked in a wide range of tactical and patrol assignments to include the SWAT Team. He is a Crowd Control Instructor and was a Lead



Instructor for Rapid Intervention Tactics for his agency. Tom's field of expertise is in the area of force options including riot baton and chemical agents/specialty impact munitions.

Ronald Smith - Ron has been a Sergeant with the Seattle PD for over 25 years. He has been instrumental in establishing Seattle's crowd control training program. Ron was recognized by the Seattle PD for his leadership during the WTO Riots.



Don Smith - Don (the twin brother of Ron) is also a Sergeant with over 25 years in the Seattle PD. He was a Crowd Control Instructor and the night venue commander for the WTO Conference. He is the Lead Instructor on Protester Tactics and has developed numerous strategies to counter protester's devices. Don has been instrumental in the development of the use of police motorcycles for crowd control.



Hugh Stewart - Hugh recently retired with over 36 years of police experience with the Royal Canadian Mounted Police. The Sergeant Major has commanded RCMP Tactical Teams in numerous disturbances across Canada, to include the Stanley Cup Riot, Asian Pacific Economic Conference and the Summit of Americas in Quebec. He is a court recognized expert witness on the Use of Force Options and Lethal Force. Upon retirement as the Regional Sergeant Major - Pacific Region and the Executive Advisory NCO to the Deputy Commissioner, the Sergeant Major continues his service to the RCMP as a senior planner for the 2010 Winter Games - Integrated Security Unit.



ARMORER'S COURSE

The ARMOR Training Academy recently held an Armorer's Course in Galt, CA. Nineteen students attended this course to learn how to maintain and repair 37mm and 40mm launchers. This class was held in conjunction with Penn Arms. Special thanks to Joe Joyce for organizing this course as well as the Crowd Management Course.

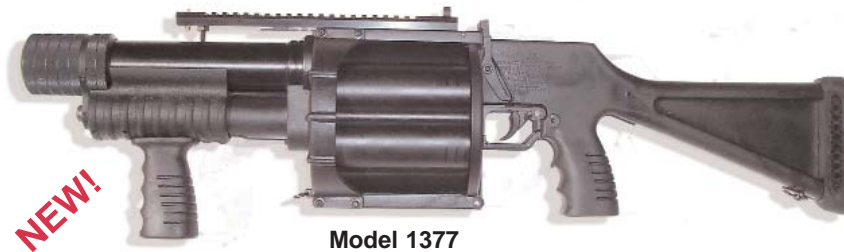
IRISH GARDA

This June we hosted members of Ireland's An Garda Siochana. Members attended the Defense Technology/Federal Laboratories® Less-lethal Training as well as PROTECH® Tactical Shield Training.

The An Garda Siochana ("The Guardians of the Peace") are the National Police Service for Ireland comprised of over 11,000 members and they exercise all police functions in the country, provide state security services and handle all criminal and traffic law enforcement.

**M
O
R
E
N
E
W
S**

Penn Arms Multi-Launcher



Model 1377

Defense Technology/Federal Laboratories® is very happy to announce their partnership with Penn Arms as the exclusive supplier of the PGL65-40 Fixed Stock Multi-Launcher.

The DT/FL Model 1377 comes with unique features, such as a shortened stock, extra-long sight rail with ghost-ring type sights for enhanced accuracy, and pre-drilled and tapped holes for the inclusion of additional accessories like the "Fourkiller Rail Attachment" for mounting accessories.



RETHINKING ICT/LCT

Recently, The ARMOR Training Academy, in conjunction with Defense Technology/Federal Laboratories® has amended its Chemical Agent Munition Instructor Program. The formula to determine the lethal concentration of chemical munitions in a structure is obsolete and will no longer be actively taught.

This formula known as the ICT/LCT formula (Incapacitation Concentration Time/Lethal Concentration Time) was developed over thirty years ago based on using a pyrotechnic chemical agent. Once the pyrotechnic munition was deployed, the burning of the pyrotechnic consumed the available amount of oxygen in that environment, hence, the lethal aspect of the formula. The formula was also based on an entirely enclosed structure with no outside air entering the structure.

It is our position that this formula is no longer valid in today's chemical munition deployment arena. With the advent of liquid and powder munitions, pyrotechnic munitions are rarely used in an indoor environment. In addition, a munition has to be inserted into a structure somehow, whether it is launched or hand delivered. This insertion creates additional air flow into the structure, making the formula null and void.

In 1996, the International Association of Chiefs of Police (IACP) declared the ICT/LCT formula obsolete and earlier this year the National Tactical Officers Association (NTOA) also declared the formula obsolete. The ICT/LCT formula will be referenced in the Defense Technology/Federal Laboratories® Less-lethal Instructor Course manuals but we will no longer cover it with instruction and exercises. If you have further questions regarding this, please contact Michael Finley, Director of Training at 800-733-3832.



Ray Wyatt Product Line Specialist DT/FL People

A close up of the people behind the products.

Ray is a native and resident of Ohio. Before coming to work for Armor Holdings, He was a full-time police officer for 12 years in Middletown, OH. During his tenure there, he worked on patrol and was assigned to the SWAT team. Ray retired on a medical disability due to an injury he received on duty. After coming to Armor Holdings he spent four years as a sales representative in Ohio, Kentucky and West Virginia. Beginning in 2004, he took over as the Product Line Specialist for DT/FL.

As the Product Line Specialist, Ray works with end-users on the phone, through email and in person. He travels throughout the year training the sales force and helping them with technical sales issues. Ray also educates our distributors and conducts demonstrations. He spends over 150 nights a year on travel visiting with as many police and correctional agencies as possible.

Ray finds the technical and business aspects of his job challenging and rewarding. He departed from policing much sooner than he ever anticipated. But, being the Product Line Specialist allows him the continual contact and involvement with law enforcement.

Ray lives in Trenton Ohio with his wife of 8 years, Rosa, and 3 daughters, Ashley, Paige and Megan. In his spare time Ray is an avid reader and he enjoys hunting and fishing.