

# Military Equipment

## 706.1 PURPOSE

This policy establishes guidelines for the acquisition, funding, use, and reporting of "military equipment," as the term is defined in Government Code section 7070. This policy is adopted to fulfill the obligations outlined in Assembly Bill No. 481. These obligations include but are not limited to seeking approval on specific items deemed to be military equipment and requirements related to compliance, annual reporting, cataloging, and complaints regarding these items.

## 706.2 POLICY

It is the policy of the Solano County Sheriff's Office that there are legally enforceable safeguards, including transparency, oversight, and accountability measures, in place to protect the public's welfare, safety, civil rights, and civil liberties before military equipment is funded, acquired, or used.

## 706.3 PROCEDURE

### A. DEFINITIONS

1. "Governing body" means the Solano County Board of Supervisors.
2. "Military equipment" means the items defined by California Government Code section 7070, subsections (c)(1) through (c)(16).

### B. GENERAL

1. The Solano County Sheriff's Office shall annually obtain the approval of the governing body prior to engaging in any of the following activities:
  - a. Requesting military equipment made available pursuant to Section 2576a of Title 10 of the United States Code.
  - b. Seeking funds for military equipment including, but not limited to, applying for a grant, soliciting, or accepting private, local, state, or federal funds, in-kind donations, or other donations or transfers.
  - c. Acquiring military equipment either permanently or temporarily, including by borrowing or leasing.
  - d. Collaborating with another law enforcement agency in the deployment or other use of military equipment within the territorial jurisdiction of the governing body.
  - e. Using any new or existing military equipment for a purpose, in a manner, or by a person not previously approved by the governing body pursuant to general order. Soliciting or responding to a proposal for, or entering into an agreement with, any other person or entity to seek funds for, apply to receive, acquire, use, or collaborate in the use of, military equipment.
2. In seeking the approval of the governing body, the Solano County Sheriff's Office shall submit a proposed military equipment use policy, or subsequent amendments, to the governing body and the public via the Solano County

Sheriff's Office's internet website at least 30 days prior to any public hearing concerning the military equipment at issue.

**C. MILITARY EQUIPMENT USE CONSIDERATIONS**

1. The military equipment acquired and authorized by the Solano County Sheriff's Office is:
  - a. Necessary because there are no reasonable alternatives that can achieve the same objective of member and civilian safety.
  - b. If purchased, will be reasonably cost effective compared to available alternatives, that may achieve the same objective of member and civilian safety.
2. Military equipment shall only be used by Solano County Sheriff's Office employees after applicable training has been completed, including any course required by the Commission on Peace Officer Standards and Training, unless exigent circumstances arise.

**D. MILITARY EQUIPMENT REPORTING CONSIDERATIONS**

The Solano County Sheriff's Office shall submit an annual military equipment report to the governing body that addresses each type of military equipment possessed by the Solano County Sheriff's Office.

1. The Solano County Sheriff's Office shall also make each annual military equipment report publicly available on its internet website, for as long as the military equipment is available for use.
2. The annual military equipment report shall, at a minimum, include the following information for the immediately preceding calendar year for each type of military equipment:
  - a. A summary of how the military equipment was used and the purpose of its use.
  - b. A summary of any complaints or concerns received concerning the military equipment.
  - c. The results of any internal audits, any information about violations of the military equipment use policy, and any actions taken in response.
  - d. The total annual cost for each type of military equipment, including acquisition, personnel, training, transportation, maintenance, storage, upgrade, and other ongoing costs. To include from what source funds will be provided for the military equipment in the calendar year following submission of the annual military equipment report.
  - e. The quantity possessed for each type of military equipment.
  - f. If the Solano County Sheriff's Office intends to acquire additional military equipment in the next year, the quantity sought for each type of military equipment.
  - g. Within 30 days of submitting and publicly releasing an annual military equipment report, the Solano County Sheriff's Office shall hold at least one well-publicized and conveniently located community engagement meeting, at which the public may discuss and ask questions regarding the annual military equipment report and the Solano County Sheriff's

Office's funding, acquisition, or use of military equipment.

**E. CATALOGING OF MILITARY USE EQUIPMENT**

All military use equipment, kept and maintained by the Solano County Sheriff's Office, shall be cataloged in a way that includes each of the following:

1. The manufacturer's description of the equipment.
2. The capabilities of the equipment.
3. The purposes and authorized uses for which the Solano County Sheriff's Office proposes to use the equipment.
4. The expected lifespan of the equipment.
5. The fiscal impact of the equipment, both initially and for on-going maintenance.
6. The quantity of the equipment, whether maintained or sought.
7. The legal and procedural rules that govern each authorized use.

**F. COMPLIANCE**

1. The Solano County Sheriff's Office will ensure that all Solano County Sheriff's Office personnel comply with this policy. The Solano County Sheriff's Office will conduct an annual audit with the assistance of the Professional Standards Bureau. The Sheriff or designee will be notified of any policy violations and, if needed, the violation(s) will be referred to the Internal Affairs Unit.
2. Any member of the public can register a question or concern regarding military use equipment by contacting the Solano County Sheriff's Office's Professional Standards Bureau via email at IA@solanocounty.com. A response to the question or concern shall be completed by the Solano County Sheriff's Office in a timely manner.
3. Any member of the public can submit a complaint to any member of the Solano County Sheriff's Office and in any form e.g., in-person, telephone, email, etc. Once the complaint is received, it should be routed to the Internal Affairs Unit in accordance with General Order 5.001 (Citizen's Complaints).

**G. FUNDING**

1. The Solano County Sheriff's Office shall seek governing body approval for military equipment, including, but not limited to, applying for a grant, soliciting, or accepting private, local, state, or federal funds, in-kind donations, or other donations or transfers.
2. The Solano County Sheriff's Office has authority to apply for funding prior to obtaining governing body approval in exigent circumstances. The Solano County Sheriff's Office shall obtain governing body approval as soon as practicable.

**706.4 MILITARY EQUIPMENT INVENTORY**

1. **SMALL UNMANNED AIRCRAFT SYSTEMS (sUAS):** An unarmed and unmanned aircraft of any type that is capable of sustaining directed flight, whether pre-programmed or remotely controlled, and all the supporting or attached systems designed for gathering information through imaging,

recording, or by any other means.

**Capability:** sUAS can support first responders in any hazardous incident, which would benefit from an aerial perspective. These uses could include search and rescue, barricaded suspects or high-risk tactical operations, disaster response, and video and photographic documentation of crime scenes.

**Usage:** The guidelines for the use of sUAS are outlined in SCSO 606.1 – Use of sUAS Unmanned Aircraft System.

**Training Requirements:** The training requirements for the operation of sUAS are outlined in DP 8.23 – Use of Small Unmanned Aircraft System.

**Fiscal Impact:** See Appendix B, Page 1

**Lifespan:** Approximately five (5) years.

The Department currently possesses the following types of sUAS:

a. **DJI Phantom 4 Pro**

*This sUAS is utilized for training purposes only*  
(Quantity: See Appendix A, Page 1)

Manufacturer: DJI

Manufacturer Description: An updated camera is equipped with a 1-inch 20-megapixel sensor capable of shooting 4K/60fps video and Burst Mode stills at 14 fps. The adoption of titanium alloy and magnesium alloy construction increases the rigidity of the airframe and reduces weight, making the Phantom 4 Pro similar in weight to the Phantom 4. The Flight Autonomy system adds dual rear vision sensors and infrared sensing systems for a total of 5-direction of obstacle sensing and 4-direction of obstacle avoidance.

Description source: <https://www.dji.com/phantom-4-pro?from=p4p-or-p4a>

b. **DJI Mavic Mini 1**

(Quantity: See Appendix A, Page 1)

Manufacturer: DJI

Manufacturer Description: Weighing just 249 grams, Mavic Mini offers a 30-minute flight time, 4km HD video transmission, and a 3-axis gimbal with a 2.7K camera.

Description source: <https://www.dji.com/downloads/products/mavic-mini>

- c. **DJI Mavic 2 Enterprise Dual**  
(Quantity: See Appendix A, Page 1)

Manufacturer: DJI

Manufacturer Description: Designed to empower a new generation of workers, the Mavic 2 Enterprise is the ultimate expression of a tool that delivers beyond expectation to meet current workplace challenges and future demands.

Description source: <https://www.dji.com/mavic-2-enterprise>

- d. **DJI Matrice 210**  
(Quantity: See Appendix A, Page 1)

Manufacturer: DJI

Manufacturer Description: The DJI Matrice 210 Quadcopter is designed for adaptation to engineering, inspection uses, for search and rescue, and firefighting operations. The Matrice 210 and Matrice 210 RTK-G are precision flying platforms. Powerful Intelligent Flight Batteries power each M210 drone to extended flight time. The built-in dust and weather resistance allows use in adverse conditions. Remote control and a long-range keep inspection, rescue, law enforcement, and firefighting personnel safe.

Description source: <https://www.dji.com/matrice-200-series>

2. **SMALL UNMANNED TRACKED ROBOTS:** An unmanned tracked robot of any type, as well as all the supporting or attached systems, are capable of being remotely controlled and are designed for gathering information through imaging, recording and/or by any other means.

**Capability:** Small Unmanned Tracked Robots can support first responders in any hazardous incident which would benefit from a ground-level perspective. These uses could include barricaded suspects, high-risk tactical operations, disaster response, communicating with suspects, and use in crawl spaces or confined isolated areas which assists in searches for suspects or evidence.

**Usage:** Small Unmanned Tracked Robots are to be used exclusively by the SWAT Team during high-risk operations.

**Training Requirements:** SWAT members authorized to operate tracked robots are required to successfully complete an eighty (80) hour SWAT Academy and are subject to extensive classroom and practical application training in the use of the robots. Additionally, SWAT members regularly train on safe robot deployment in a variety of operational settings.

**Fiscal Impact:** See Appendix B, Page 1

**Lifespan:** Avatar – Approximately five (5) years

The Department currently possesses the following types of Small Unmanned Tracked Robots:

- a. **Avatar Tactical Robot**  
(Quantity: See Appendix A, Page 1)

Manufacture: Robotex

Manufacturer Description: The AVATAR® enhances the capabilities of SWAT and tactical response teams by allowing them to inspect dangerous situations quickly and safely; there is no longer a need to send personnel in before you've had a chance to assess the situation.

The AVATAR® saves lives by keeping first responders out of harm's way, and it does so at a fraction of the price of other robots. The AVATAR® Robots are regarded by tactical teams as a standard operational tool, like a firearm, vehicle, or piece of body armor.

Description Source:

<https://robotex.com/products/avatar-tactical-robot/>

3. **ARMORED PERSONNEL CARRIERS:** Commercially produced, wheeled armored personnel vehicle utilized for law enforcement purposes.

**Capability:** Armored personnel carrier capable of providing high ballistic protection, cover, limited breaching capability, and transport of members and/or civilians at critical incidents and high-risk tactical operations.

**Usage:** To be used exclusively by the SWAT Team. These uses could include active shooters, armed barricaded suspects, hostage situations, high-risk tactical operations, disaster response, member/citizen rescues, and CBRNE (Chemical, Biological, Radiological, Nuclear, and Explosive) attacks and detection.

**Training Requirements:** SWAT members authorized to operate an armored vehicle are required to complete a formalized orientation and successfully pass a training class.

**Fiscal Impact:** See Appendix B, Page 1

**Lifespan:** Approximately 20 years, depending on operational usage and wear.

The Department currently possesses the following types of armored Personnel Carriers:

- a. **Lenco Bear** – 4 door model  
(Quantity: See Appendix A, Page 1)

Manufacturer: Lenco

Manufacturer Description: The Lenco Bear is an armored vehicle that seats 15 personnel with an open floor plan that allows for the rescue of down personnel. It can stop various projectiles, which provides greater safety to citizens and members beyond the protection level of shield and personal body armor. The Bear is equipped with a front static ram bar, which is an 11-foot ram bar that attaches to the front receiver.

Description source: <https://www.lencoarmor.com>

#### **4. COMMAND AND CONTROL VEHICLES:**

A vehicle that is a self-contained command post designed to provide the incident commander with a mobile base of operation.

**Capability:** As a mobile base of operation, these vehicles contain specialized command, control, and communications equipment to assist with this mission.

**Usage:** To be used based on the specific circumstances of a given critical incident, significant event, natural disaster, or community event that is taking place.

**Training Requirements:** Only personnel trained in deployment operations, in a manner consistent with Department policy, are authorized to operate the MCV.

**Fiscal Impact:** See Appendix B, Page 2

**Lifespan:** (a) Chassis - 20 years

(b) IT Systems: Upgrades are needed every five years to maintain modern technology.

The Department currently possesses the following types of Mobile Incident Command Vehicles:

- a. **SWAT Special Equipment Vehicle (SEV)**  
(Quantity: See Appendix A, Page 2)

The SWAT Special Equipment Vehicle (SEV) is a non-armored vehicle used by SWAT personnel to transport special weapons and equipment to

the scene of critical incidents. Once at an incident, it is also used as a SWAT and Tactical Operations Center (TOC).

Manufacturer: Ford F650 Chassis

Manufacturer Description: No manufacturer description. (Custom built by Braun Northwest)

b. **Mobile 1 Command Vehicle**  
(Quantity: See Appendix A, Page 2)

The Mobile Command Vehicle (MCV) is a non-armored vehicle that is a self-contained command post designed to provide the incident commander with a mobile base of operation. The MCV contains specialized command, control, and communications equipment to assist with extended events.

Manufacturer: Freightliner

Manufacturer description: No manufacturer description. Custom built by Farber.

5. **SHOTGUN BREACHING TOOLS:** During crisis situations, it may become necessary for the SWAT Team to facilitate an entry into a fortified location. It is critical that the point of entry is breached quickly and as safely as possible. A quick and effective breach is one key to a successful tactical mission. In some instances, a breach initiated by a breaching shotgun loaded with specialized breaching rounds, may be required to provide an added degree of safety and tactical advantage to accomplish a mission.

Specialized breaching rounds are frangible and are designed to break into a powder form upon impact with a solid object (e.g., deadbolt lock, door frame, etc.).

The Department possesses a limited inventory of breaching shotguns and breaching shotgun ammunition. Breaching shotguns are to be used exclusively by trained members of the SWAT Team.

**Capability:** Shotgun breaching allows breachers to safely utilize shotgun breaching rounds to destroy deadbolts, locks, and hinges. The stand-off that is attached to the end of the barrel allows for positive placement of the gun into the correct position and vents gasses to prevent overpressure.

**Usage:** Breaching shotguns are to be exclusively used by the SWAT Team. Breaching shotguns are used to breach doors expeditiously and can be used in response to barricaded suspects, hostage rescue incidents, and active shooters.

**Training Requirements:** SWAT members that are trained in the use of



breaching shotguns must successfully complete an eighty (80) hour SWAT Academy. The member must also complete a separate (40) hour breaching school. Furthermore, SWAT members must undergo regular extensive classroom and live-fire proficiency training in its application.

**Fiscal Impact:** See Appendix B, Page 2

**Lifespan:** Remington 870 Police Magnum – Limited lifetime warranty. Lifespan varies on operational usage and wear.

Breaching Shotgun Ammunition – Five (5) year limited warranty. Five (5) year shelf life.

The Department currently possesses the following types of breaching shotguns and breaching shotgun ammunition:

- a. **Remington 870 Police Magnum Breaching Shotgun** – modified 12-gauge breaching shotgun  
(Quantity: See Appendix A, Page 2)

Manufacturer: Remington

Manufacturer Description: The Remington 870 Police Magnum pump-action shotgun is a rugged 12-gauge with a short, tactical 18" barrel backed by a stout 3" chamber. The all-matte black gun is Parkerized for generalized durability and rust resistance. Both the pump-action fore end and stock are robust and tough synthetic.

Description source: <https://www.remarms.com/shotguns/tactical/>

- b. **TESAR-2 Breaching Ammo, Royal Arms**– 12 gauge  
(Quantity: See Appendix A, Page 2)

Manufacturer: Royal Arms

Manufacturer Description: Black Cap 2-3/4" 425 Grain Compressed Copper Frangible 12 Ga Shotgun Slug. 12-gauge frangible slug to disrupt locking mechanisms and hinges, defeat, and breach external and internal doors. For Heavy Locks, Deadbolts, and Hinges (Solid Oak – Steel Doors).

- c. **TESAR-1 Breaching Ammo, Royal Arms**– 12-gauge  
(Quantity: See Appendix A, Page 2)

Manufacturer: Royal Arms

Manufacturer Description: Orange Cap 2-3/4" 275 Grain Compressed Copper Frangible 12 Ga Shotgun Slug. 12-gauge frangible slug to disrupt locking mechanisms and hinges, defeat,

and breach external and internal doors. Use: For Wood Doors, Solid & Hollow, Defeats: Solid Wood Doors, Locks & Hinges.

d. **TKO 12-Gauge Breaching Shotgun Rounds**  
(Quantity: See Appendix A, Page 2)

Manufacturer: Defense Technology

Manufacturer Description: The 12-Gauge TKO Breaching Round is a 12-Gauge shell loaded with a compressed zinc slug, utilizing smokeless powder as a propellant. This is a widely used method to breach door locks or hinges for entry during tactical operations. When properly deployed, the TKO is capable of defeating door lock mechanisms, doorknobs, hinges, deadbolts, safety chains, and padlocks on both wooden and hollow core doors. Upon impact with the target, the zinc slug disintegrates into a fine powder eliminating fragmentation.

Description source:

<https://www.defense-technology.com/product/tko-12-gauge-breaching-round/>

6. **PATROL RIFLES:** A firearm, especially one fired from shoulder level, having a long spiral grooved barrel intended to make a bullet spin and thereby have greater accuracy over a long distance. The Department-approved AR-15 style weapon system is designed to fire a .223/5.56 caliber projectile.

**Capability:** A semi-automatic rifle that fires an intermediate-power .223 caliber / 5.56mm cartridge is more powerful than a standard pistol but less powerful than a standard rifle. It is a short-barreled rifle that allows a trained member better control both inside of structures and outside at a distance, with greater accuracy than a handgun.

**Usage:** Only POST certified members are authorized to use a rifle.

**Training Requirements:** Prior to using a rifle, members must be certified by POST instructors in the operation of the rifle. Additionally, all members who operate any rifle must pass a range qualification once per year. The training requirements for members regarding the use of firearms are governed under SCSO Policy 306 Firearms and SCSO Policy 300 – Use of Force.

**Fiscal impact:** See Appendix B, Page 3

**Lifespan:** Five (5) - ten (10) years

The Department currently possesses the following types of patrol rifles:

- a. **AR-15 Colt M4 Carbine LE 11.5" barrel**

(Quantity: See Appendix A, Page 3)

Manufacturer: Colt

Manufacturer Description: Built for the demanding use of those who protect our communities every day, the Colt Enhanced Patrol Rifle (EPR) is the next evolution in the world's most dependable, thoroughly field-tested patrol rifle. Featuring an extended handguard that accepts modular rail segments for mounting a wide variety of pro-grade optics, lighting, and ergonomics-enhancing accessories. The Colt EPR reestablishes the Colt AR-15 as the finest tool for local, regional, and national law enforcement agencies.

Description source:

<https://www.colt.com/detail-page/enh-patrol-rif-556-115-301>

7. **SPECIAL WEAPONS AND TACTICS (SWAT) RIFLE:** A firearm, especially one fired from shoulder level, having a long spirally grooved barrel intended to make a bullet spin and thereby have greater accuracy over a long distance.

**Capability:** A select-fire semi-automatic/automatic rifle that fires an intermediate power .223 caliber / 5.56mm cartridge, which is more powerful than a standard pistol but less powerful than a standard rifle. Which allows a trained member better control both inside of structures and outside at a distance, with greater accuracy than a handgun.

**Usage:** Only POST certified members are authorized to use a rifle.

**Training Requirements:** Prior to using a rifle, members must be certified by POST instructors in the operation of the rifle. Additionally, all members who operate any rifle must pass a range qualification once a year. The training requirements for members regarding the use of firearms are governed under POST and SCSO Policy 306 Firearms and SCSO Policy 300 – Use of Force. For the SWAT Team, the AR-15 is the primary weapons system utilized by the team. SWAT members are required to successfully complete an eighty-hour SWAT Academy consisting of extensive firearms training, including the AR-15. While assigned to the SWAT Team, SWAT members partake in regular rifle training, entry and movement training, and consistent weapons qualifications to maintain proficiency with the AR-15.

**Fiscal Impact:** See Appendix B, Page 3

**Lifespan:** Five (5) – Ten (10) years

The Department currently possesses the following types of SWAT rifle(s):

- a. **AR-15 Colt M4 Carbine Select Fire**

(Quantity: See Appendix A, Page 3)

Manufacturer: Colt

Manufacturer Description: Throughout the world today, Colt's reliability, performance, and accuracy provide our Armed Forces the confidence required to accomplish any mission. Colt's LE6920 series shares many features of its combat-proven brother, the Colt M4.

Description source:

<https://www.colt.com/detail-page/colt-le6920-carbine-223556-161-301-pmag-mbus-4-pos-stk-blk>

b. **Heckler & Kock UMP40**

(Quantity: See Appendix A, Page 3)

Manufacturer: Heckler & Kock

Manufacturer Description: The UMP is made using the latest in advanced polymers. The UMP is a cost-effective, state-of-the-art weapon that offers the advantages of a lightweight, low cost, uncompromising reliability, and modularity. The UMP fires from the closed bolt position for accuracy and safe handling. Available as a select-fire submachine gun or semi-automatic only carbine, the HK Universal Machine Pistol was designed especially for American law enforcement and military organizations in mind and includes a bolt catch to hold the bolt rearward when the last round is fired.

Description source:

<http://photos.imageevent.com/smglee/cltactical/HK%20Military%20LE%20Catalog.pdf>

c. **GA Precision A10 G2 .308**

(Quantity: See Appendix A, Page 3)

Manufacturer: G.A. Precision LLC

Manufacturer Description: GAP-10 G2 upper and lower receiver, precision manufactured for us from 7075 Billet by Seekins Precision. Bartlein Stainless 5r rifled barrel to match your projectile and caliber. (standards: 11.25 for 308, 8 for 6.5mm, 7.7 for 6mm) Calibers available: 6mm GT, 6mm Creedmoor, 6.5 Creedmoor, 243 Winchester, 260 Remington, 308 Winchester, 338 Federal. Others available must be short action and standard bolt face (anything that fits a DPMS LR308/SR25 style magazine) and fit standard bolt-face (.473"). Gas tube: Mid-length for 16.5"-18", Rifle-length for 19"-22".

Description source:

<https://www.gaprecision.net/custom-precision-rifles/custom-tactical->

<rifles/gap-10-g2.html#cr-details>

- d. **GA Precision HRT .308**  
(Quantity: See Appendix A, Page 3)

Manufacturer: G.A. Precision LLC

Manufacturer Description: Solid 4320 CM one-piece bolt, turned from a solid piece of billet. 22-inch Bartlein stainless 5R barrel, 308 Winchester chamber with 1:11.25 twist rate. Surefire SOCOM 762 5/8-24 Suppressor Adapter/Muzzle Brake attached. Trigger Tech Primary trigger set to a crisp 2.5 lbs. McMillan A3-5 stock in O.D. Green molded, Adjustable Clamp Bar Cheek Piece, Spacer System Butt pad. Badger Ordnance M5 Detachable Mag System w/ 5 round Mag.

Description source:

<https://www.gaprecision.net/custom-precision-rifles/custom-tactical-rifles/fbi-hrt-rifle.html>

- e. **Remington Model 700 SPS .308**  
(Quantity: See Appendix A, Page 3)

Manufacturer: Remington

Manufacturer Description: The Model 700 SPS Tactical AAC is ready-made to add your tactical accessories of choice. Its 20" heavy barrel is threaded to accept AAC® and other 5/8-24 threaded flash hiders, muzzle brakes, and suppressors. The Hogue® Overmolded Ghillie Green pillar-bedded stock and X-Mark Pro® Externally Adjustable Trigger complete this precision, tactical package.

Description source:

<https://www.remarms.com/rifles/bolt-action/model-700/model-700-sps-tactical-aac-sd>

8. **EXTENDED RANGE IMPACT WEAPONS (ERIW) AND SPECIALTY IMPACT MUNITIONS:**

**40MM Launchers (Projectile Launch Platform):** A single shot or multi-shot Extended Range Impact Weapon launcher capable of firing a variety of 40mm rounds.

**Capability:** 40mm launchers can fire a variety of munitions with a maximum effective range of one hundred twenty (120) feet. 40mm launchers can deliver 40mm munitions in the form of chemical agents, sponge baton rounds, or combined use sponge baton OC chemical agent rounds.

**Usage:** 40mm launchers utilized with less-lethal sponge baton rounds are

designed to impact armed and/or violent suspects so members can gain compliance, overcome resistance, and prevent serious injury or death to bystanders, members, and the suspect. 40mm single launchers combined with less lethal 40mm sponge baton rounds are authorized to be used by any member that has been trained in its use and maintains current qualifications.

**Training Requirements:** Members that have been trained in the use of the 40mm single launcher undergo thorough classroom and live-fire training in its use. Additionally, members trained in the use of the 40mm launcher must pass annual qualifications to maintain proficiency. The training requirements for members regarding the use of the 40mm launcher are governed under POST and SCSO Policy 303.9 -Kinetic Energy Projectile and SCSO Policy 300 – Use of Force.

**Fiscal impact:** See Appendix B, Page 5

**Lifespan:**

Penn Arms 40mm Launchers -TBD

Defense Technology 40mm Launchers – Two (2) year limited warranty. No lifespan indicated by manufacturer. Dependent upon operational usage and wear.

The Department currently possesses the following types of 40mm launchers:

- a. **Model GL1-40 (40mm Single Shot Launcher), Penn Arms**  
(Quantity: See Appendix A, Page 5)

Manufacturer: Penn Arms

Manufacturer Description: A 40mm single-shot break-open frame launcher with a rifled barrel and fixed stock. Features include: Double-action trigger, trigger lock push button, and hammerlock safeties.

Description source:

<https://www.combinedsystems.com/product/l140-1-single-launcher-fixed-stock-combo-rail/>

- b. **Model PGL 65-40 (40mm Multi-shot Launcher), Penn Arms**  
(Quantity: See Appendix A, Page 5)

Manufacturer: Penn Arms

Manufacturer Description: A 40mm pump-action advance magazine drum launcher with a fixed stock and combo rail. It has a six-shot capacity and rifled barrel. Features include: Double-action trigger, trigger lock push button, and hammerlock safeties.

Description source:

<https://www.combinedsystems.com/product/p540-1-pump-multi-launcher-5-cyl-fixed-stock-w-combo-rail-pgl-65-40/>

- c. **Model 1426 (40 mm Single Shot Launcher), Def Tech**  
(Quantity: See Appendix A, Page 5)

Manufacturer: Defense Technology

Manufacturer Description: The 40LMTS is a tactical 40mm single-shot launcher that features an adjustable Integrated Front Grip (IFG). The Ambidextrous Lateral Sling Mount (LSM) and QD mounting systems allow both a single and two-point sling attachment. The 40LMTS will fire standard 40mm Less Lethal ammunition, up to 4.8 inches in cartridge length.

Description source:

<https://www.defense-technology.com/product/40mm-lmt-tactical-single-launcher-folding-stock/>

- d. **Def Tech – 40 mm Multi-Shot Launcher**  
(Quantity: See Appendix A, Page 5)

Manufacturer: Defense Technology

Manufacturer Description: The 40 multi-shot launcher is a tactical 40mm multi-shot launcher that features an adjustable Integrated Front Grip (IFG). The Ambidextrous Lateral Sling Mount (LSM) and QD mounting systems allow both a single and two-point sling attachment. The 40LMTS will fire standard 40mm Less Lethal ammunition, up to 4.8 inches in cartridge length.

9. **BEANBAG SHOTGUNS:** This ERIW is a standard Remington Model 870, 12-gauge shotgun that has been modified with an orange stock and fore end.

**Capability:** Beanbag shotguns can fire a 12-gauge beanbag round with a maximum effective range of sixty (60) feet.

**Usage:** Beanbag shotguns utilized with beanbag rounds are designed to impact armed and/or violent suspects so members can gain compliance, overcome resistance, or prevent serious injury or death to bystanders, members, and the suspect. Beanbag shotguns combined with beanbag rounds are authorized to be used by any member that has been trained in its use and maintains current ERIW qualifications.

**Training Requirements:** Members that have been trained in the use of the beanbag shotgun undergo thorough classroom and live-fire training in its use. Additionally, members trained in the use of the beanbag shotgun must pass

annual ERIW qualifications to maintain proficiency. The training requirements for members regarding the use of the beanbag shotgun are governed under POST and SCSO Policy 303.9 -Kinetic Energy Projectile and SCSO Policy 300 – Use of Force.

**Fiscal Impact:** See Appendix B, Page 5

**Lifespan:**

Remington 870 Police Magnum – Limited lifetime warranty. Lifespan varies on operational usage and wear.

Kel Tec KSG – Limited lifetime warranty. Lifespan varies on operational usage and wear.

The Department currently possesses the following types of beanbag shotguns:

- a. **Remington 870 Police – 12-gauge Beanbag Shotgun (outfitted with orangebuttstock and orange foregrip)**  
(Quantity: See Appendix A, Page 6)

Manufacturer: Remington

Manufacturer Description: The Remington 870 Police pump-action shotgun is a rugged 12-gauge with a short, tactical 18” barrel backed by a stout 3” chamber. The all-matte black gun is Parkerized for generalized durability and rust resistance. Both the pump-action fore-end and stock are robust and tough synthetic.

- b. **KSG – 12-gauge beanbag Shotgun, Kel Tec**  
(Quantity: See Appendix A, Page 6)

Manufacturer: Kel Tec

Manufacturer Description: The KSG holds 6+6+1 (or 7+7+1 depending on shell length) in a 26.1” package. Tactical, pump-action shotgun.

Description source:

<https://www.keltecweapons.com/firearm/shotguns/ksg/>

- c. **FN 303 Launcher**  
(Quantity: See Appendix A, Page 6)

Manufacturer: FN America LLC

Manufacturer Description: Built from lightweight, rugged polymer and driven by the new, compact, compressed air tank, the FN 303 Tactical upgrades deliver fin-stabilized projectiles with speed and accuracy. An optimized operating system doubles the service life of the FN 303 Tactical.



Description source:

<https://fnamerica.com/press-releases/the-new-fn-303-tactical-less-lethal-launcher/>

**10. DIRECT IMPACT AMMUNITIONS:** The direct impact ammunition is utilized by Department personnel as a less-lethal tool to launch long-range impact rounds.

**Capability:** ERIW direct impact rounds can impact a suspect at a maximum effective range of one hundred twenty (120) feet.

**Usage:** ERIW ammunition used in conjunction with launchers are designed to impact armed and/or violent suspects so members can gain compliance, overcome resistance, or prevent serious injury or death to bystanders, members, and the suspect. ERIW ammunition is authorized to be used by any member that has been trained in its use and maintains current ERIW qualifications.

**Training Requirements:** Members that have been trained in the use of the ERIW impact ammunition in conjunction with the launcher undergo thorough classroom and live-fire training in its use. Additionally, members trained in the use of the launchers must pass annual ERIW qualifications to maintain proficiency. The training requirements for members regarding the use of direct impact ammunition in conjunction with the launcher are governed under POST and SCSO Policy 303.9 -Kinetic Energy Projectile and SCSO Policy 300 – Use of Force.

**Fiscal Impact:** See Appendix B, Page 5

Lifespan: Five (5) year shelf life.

The Department currently possesses the following types of direct impact ammunition:

- a. **eXact iMpect 40mm Standard Range Sponge Round** – Model 6325  
(Quantity: See Appendix A, Page 6)

Manufacturer: Defense Technology

Manufacturer Description: The eXact iMpect 40 mm Sponge Round is a point-of-aim, point-of-impact direct-fire round. This lightweight, high-speed projectile consists of a plastic body and sponge nose that is spin-stabilized via the incorporated rifling collar and the 40 mm launcher's rifled barrel. The round utilizes smokeless powder as the propellant and, therefore, has velocities that are extremely consistent. Used for Crowd Control and Tactical Applications. Operational range: 1.5-40 meters.

Description source:

<https://www.defense-technology.com/product/exact-impact-40-mm-standard-range-sponge-round/>

- b. **eXact iMpacT 40mm Marking Sponge Round – Model 6326**  
(Quantity: See Appendix A, Page 6)

Manufacturer: Defense Technology

Manufacturer Description: The eXact iMpacT 40 mm Sponge Round is a point-of-aim, point-of-impact direct-fire round. This lightweight, high-speed projectile consists of a plastic body and sponge nose that is spin-stabilized via the incorporated rifling collar and the 40 mm launcher's rifled barrel. The round utilizes smokeless powder as the propellant and, therefore, have velocities that are extremely consistent. Used for Crowd Control and Tactical Applications. When loaded with a green marking agent, the Direct Impact can be used to indicate the aggressor in a crowd or riot situation to the team on the ground. Operational range: 1.5-36.6 meters.

Description source:

<https://www.defense-technology.com/product/direct-impact-40-mm-marking-crushable-foam-round/>

- c. **eXact iMpacT 40mm Extended Range Sponge Round - Model 6325LE**  
(Quantity: See Appendix A, Page 6)

Manufacturer: Defense Technology

Manufacturer Description: The eXact iMpacT 40 mm Sponge Round is a point-of-aim, point-of-impact direct-fire round. This lightweight, high-speed projectile consisting of a plastic body and sponge nose that is spin-stabilized via the incorporated rifling collar and the 40 mm launcher's rifled barrel. The round utilizes smokeless powder as the propellant, and, therefore, have velocities that are extremely consistent. Used for Crowd Control and Tactical Applications. Operational range: 10-70 meters

Description source:

<https://www.defense-technology.com/product/exact-impact-le-40-mm-extended-range-sponge-round/>

- d. **12GA Super-Sock Bean Bag Ammunition – Model 2581**  
(Quantity: See Appendix A, Page 6)

Manufacturer: Combined Tactical Systems (CTS)

Manufacturer Description: The Model 2581 Super-Sock is in its deployed state immediately upon exiting the barrel. It does not require a minimum range to “unfold” or “stabilize.” The Super-Sock is an aerodynamic

projectile, and its accuracy is relative to the shotgun, barrel length, environmental conditions, and the operator. The Super-Sock is first in its class, providing the point control accuracy and consistent energy to momentarily incapacitate violent, non-compliant subjects. Effective range is 75ft.

Description source:

<https://www.combinedsystems.com/product/2581-12ga-super-sock-bean-bag-priced-individually-per-cartridge-must-order-in-quantities-of-5/>

- e. **12GA Starlite impact projectile**  
(Quantity: See Appendix A, Page 6)

Manufacturer: Lightfield Ammunition Corp.

Manufacturer Description: The StarLite is a close-range, less-lethal impact projectile intended for direct fire at targets between 1 and 10 yards. The patented design of the 'Star' projectile intentionally embodies properties that virtually eliminate the undesirable tendencies of the typical drag stabilized, sock-style beanbag. The Star design utilizes less weight and higher velocity than other single projectile loads. The Star's larger overall diameter and flexible composition compliments its other properties to allow for a safer deposition of Kinetic Energy.

Description source: <http://www.litfld.com/products/less-lethal/>

- f. **12GA SuperStar impact projectile**  
(Quantity: See Appendix A, Page 6)

Manufacturer: Lightfield Ammunition Corp.

Manufacturer Description: The SuperStar is a close-range, less-lethal impact projectile intended for direct fire at targets between 2 and 15 yards. The patented design of the 'Star' projectile intentionally embodies properties that virtually eliminate the undesirable tendencies of the typical drag stabilized, sock-style beanbag. The Star design utilizes less weight and higher velocity than other single projectile loads. The Star's larger overall diameter and flexible composition compliments its other properties to allow for a safer deposition of Kinetic Energy.

Description source: <http://www.litfld.com/products/less-lethal/>

- g. **12GA Nova Distraction Round**  
(Quantity: See Appendix A, Page 6)

Manufacturer: Lightfield Ammunition Corp.

Manufacturer Description: The NOVA-DR is intended as an indirect fire diversionary load.

Description source: <http://www.litfld.com/products/less-lethal/>

- h. **FN303 Ammunition system (Clear Impact)**  
(Quantity: See Appendix A, Page 6)

Manufacturer: FN America LLC.

Manufacturer Description: Dedicated to reducing loss of life and utilizing less lethal force. The basis of the FN 303® concept lies in its unique projectiles. These .68 caliber, 8.5-gram projectiles utilize a fin-stabilized polystyrene body and a non-toxic bismuth forward payload to provide more accuracy and greater effective range than other less-lethal systems. The primary effect of the projectile is trauma, which directly neutralizes the aggressor. Secondary effects from the projectiles can be delivered via a chemical payload depending on mission requirements. This projectile is intended for training, point-specific impact, or suspect distraction.

Description source:

<https://fnamerica.com/products/less-lethal/projectiles/?referrer=law-enforcement>

- i. **FN303 Ammunition system (Washable Paint Impact)**  
(Quantity: See Appendix A, Page 6)

Manufacturer: FN America LLC.

Manufacturer Description: Dedicated to reducing loss of life and utilizing less lethal force. The basis of the FN 303® concept lies in its unique projectiles. These .68 caliber, 8.5-gram projectiles utilize a fin-stabilized polystyrene body and a non-toxic bismuth forward payload to provide more accuracy and greater effective range than other less-lethal systems. The primary effect of the projectile is trauma, which directly neutralizes the aggressor. Secondary effects from the projectiles can be delivered via a chemical payload depending on mission requirements. This projectile is intended for training and for marking suspects and objects with a washable colorant.

Description source:

<https://fnamerica.com/products/less-lethal/projectiles/?referrer=law-enforcement>

## **11. CHEMICAL AGENTS AND CHEMICAL AGENT DELIVERY DEVICES:**

Canisters that contain chemical agents that are released when deployed.

**Capability:** Depending on the delivery method, chemical agents are capable of being introduced in close proximity or from a distance. Depending on the type of delivery system and/or quantity, chemical agents can be used to

saturate individual suspects, violent crowds, or areas of varied size.

**Usage:** Chemical agents are to be used exclusively by the SWAT/MFF/CRT Teams. Generally, during high-risk tactical incidents, chemical agents can be used to dislodge a suspect from a stronghold location with the least possible danger to citizens, police, and the suspect. Chemical agents can also be used to prevent an armed suspect from accurately firing at citizens and/or members. They can also be used in limited instances during civil unrest to disperse violent crowds.

**Training Requirements:** SWAT/MFF/CRT operators authorized in the use of chemical agents have completed extensive chemical agent training. SWAT/MFF/CRT operators receive regular training on the deployment and use of chemical agents. SWAT/MFF/CRT operators are required to pass annual qualifications with the use of chemical agents and chemical agent delivery systems to maintain proficiency. These chemical agents' use is governed by POST and SCSO 303: Control Devices and Techniques and SCSO 300: Use of Force.

**Fiscal impact:** See Appendix B, Page 4

**Lifespan:**

Combined Tactical Systems (CTS) Chemical Agents Canisters and Munitions  
– Five (5) year limited warranty. Five (5) year shelf life.

Defense Technology Chemical Agent Canisters and Munitions -Five (5) year limited warranty. Five (5) year shelf life.

First Defense .2% MK-4 Stream OC Foam – Two (2) year limited warranty. Two (2) year shelf life.

Chemical Agent Delivery Devices - No lifespan indicated by the manufacturer. Lifespan varies on operational usage and wear.

The Department currently possesses the following types of chemical agents:

- a. **CTS #6340- OC-CS Vapor Aerosol**  
(Quantity: See Appendix A, Page 4)

Manufacturer: Combined Tactical Systems (CTS)

Manufacturer Description: A unique device delivering an invisible vapor and rendering an intense respiratory effect. Provides best results when used indoors and requires no personal decontamination.

- b. **CTS #5230B – CS Baffled Canister Grenade, Pyro, Low Flame Potential**

(Quantity: See Appendix A, Page 4)

Manufacturer: Combined Tactical Systems (CTS)

Manufacturer Description: Pyrotechnic device designed for indoor use delivering a maximum amount of irritant smoke throughout multiple rooms with minimal risk of fire.

c. **CTS #8230 – CS Pocket Tactical Grenade, Pyro.**

(Quantity: See Appendix A, Page 4)

Manufacturer: Combined Tactical Systems (CTS)

Manufacturer Description: The smallest diameter burning device that discharges a high volume of smoke and chemical agent through multiple emission ports. Specifically for outdoor use and it should not be deployed on rooftops, in crawl spaces, or indoors due to fire producing capability. Can be hand thrown or launched.

d. **CTS #4330 - 40mm Liquid Barricade Projectile, CS**

(Quantity: See Appendix A, Page 4)

Manufacturer: Combined Tactical Systems (CTS)

Manufacturer Description: The 40mm Barricade Round is non-burning and suitable for indoor use. Used primarily by tactical teams, it is designed to penetrate barriers, such as windows, hollow core doors, wallboard, and thin plywood. Upon impacting the barrier, the nose cone ruptures and instantaneously delivers a small chemical payload inside a structure or vehicle.

In a tactical deployment situation, the 40mm is primarily used to dislodge barricaded subjects from confined areas. Its purpose is to minimize the risks to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous subjects.

e. **First Defense .2% Model 5046-OC/Foam (Handheld OC Canister)**

(Quantity: See Appendix A, Page 4)

Manufacturer: Defense Technology

Manufacturer Description: 10% Pepper Foam is a uniquely formulated OC solution in which the OC is encapsulated with a surfactant, giving it a rigid jet foam dispersion. This provides minimal cross-contamination from the active agent while providing a visible means to ensure proper application. Formulation Weight: 4.2 oz. Delivery System: Foam.

## **12. AMMUNITION**

**Capability:** Rifle ammunition manufactured specifically for rifles chambered in

.223/5.56mm and .308 caliber. Currently there are various types of caliber rifle ammunition in use by the Department.

**Usage:** .223 caliber or 5.56mm rifle ammunition used in conjunction with an AR-15 type rifle provides members the ability to engage hostile suspects at distances generally greater than the effective distance of their handguns. Rifle ammunition fired from AR-15 rifles offer advantages over handguns, such as increased accuracy potential and the ability to defeat soft body armor but are not appropriate for every situation.

Rifle ammunition manufactured specifically for rifles chambered in .308 Winchester. Currently there are various types of .308 Winchester caliber rifle ammunition in use by the Department. .308 Winchester ammunition in conjunction with rifles chambered in .308 Winchester is to be used exclusively by members assigned to the SWAT Sniper Team. This ammunition and .308 rifles are typically deployed with the SWAT Sniper Team during high-risk SWAT operations and special events or instances wherein Sniper Over Watch Teams are needed. The usage guidelines for all ammunition used in conjunction with rifles are outlined in SCSO 300: - Use of Force, and SCSO DP 306: – Firearms.

**Training Requirements:** All sworn personnel are required to qualify annually with their duty weapons (pistol and rifle, if assigned) on an approved course of fire.

**Fiscal Impact:** See Appendix B, Page 3

**Lifespan:** Five (5) year limited warranty. Five (5) year shelf life.

The Department currently possesses the following types of rifle ammunition:

- a. **Winchester Ranger Law Enforcement 5.56mm/64 grain**  
(Quantity: See Appendix A, Page 3)

Manufacturer: Winchester

Manufacturer Description: .223 Remington, pointed soft point, 3240 feet per second muzzle velocity, brass casing. used in Department issued rifles as duty ammunition. The Winchester Ranger 223 Rem 64 gr Pointed Soft Point rifle ammunition has a pointed soft point bullet design that retains velocity over long ranges, with the soft nose initiating rapid bullet expansion.

- b. **Hornady .308 Win T.A.P. 168 grain**  
(Quantity: See Appendix A, Page 3)

Manufacturer: Hornady

Manufacturer Description: .308 Winchester, polymer tip, 2582 feet per second muzzle velocity, brass casing. High accuracy round for duty uses in SWAT sniper rifles. Hornady® 308 WIN TAP 168 gr. ELD® Match TAP Precision® ammunition was designed as an improvement on the 168 gr. A-MAX TAP Precision Match bullet with Heat Shield® tip delivers the excellent terminal performance TAP Precision® is known for, but features a resilient, heat resistant polymer tip that improves the ballistic coefficient, resulting in higher impact velocities, less drop, less wind drift, and more energy on target.

- c. **Swiss P Armor Piercing .308 Winchester 196 grain**  
(Quantity: See Appendix A, Page 3)

Manufacture: RUAG Swiss

Manufacturer Description: The challenge is to accurately hit targets behind an angled window or windshield without the risk of unpredictable bullet deflection. This could endanger bystanders, especially if the shooting line is not perpendicular to the window. Conventional bullets break apart or fragment when penetrating glass which makes accurate shooting impossible. At least 90% of the residual body of the SWISS P Tactical bullet stays intact and it does not fragment at all. Tight production tolerances and small production batches ensure constant ballistic values and stringent quality controls guarantee identical trajectory from batch to batch.

- 13. Diversionsary Devices aka Flashbangs:** Canisters that emit a loud noise and bright light.

**Capability:** Diversionsary Devices can release large amounts of stored energy in the form of heat, light, pressure, and noise. They are intended to temporarily distract, confuse, and disorient subjects.

**Usage:** Diversionsary Devices are to be used by the SWAT/MFF Teams. Diversionsary Devices can be used in high-risk tactical operations as a distraction device. They can also be used during high-risk warrants, hostage rescue incidents, and some mobile field force incidents to provide an added degree of member safety by disorienting subjects. The usage of Diversionsary Devices is also governed under POST guidelines.

**Training Requirements:** SWAT/MFF members must successfully complete an eighty-hour SWAT Academy and are subject to ongoing extensive classroom and practical application training in the use of the Diversionsary Devices. Additionally, SWAT members regularly train on safe device deployment in a variety of operational settings.

**Fiscal Impact:** See Appendix B, Page 4



**Lifespan:** CTS Diversionary Devices – Five (5) year shelf life.

The Department currently possesses the following types of Diversionary Devices:

- a. **CTS 1 Bang Flash-Bang, Steel Body model #7290**  
(Quantity: See Appendix A, Page 4)

Manufacturer: Combined Systems

Manufacturer Description: The CTS 7290 is the standard for diversionary flash-bang devices. The 7290 produces a 165-180db and 6-8 million candelas of light output. The patented design of the 7290, incorporates a porting system that eliminates movement of the body at detonation even if the top or bottom of the device should be in contact with a hard surface. In addition, internal adjustments have greatly reduced smoke output.

Flash Bangs are used by special tactical teams during hostage rescue and high-risk warrants. It is an ATF-controlled Class-C explosive device that emits a bright light and thunderous noise to distract potentially dangerous individuals.

Description source: <https://www.combinedsystems.com/product/7290-flash-bang-steel-body-priced-individually-must-order-in-quantities-of-12/>