

## Military Equipment

### 709.1 PURPOSE AND SCOPE

The purpose of this policy is to provide guidelines for the approval, acquisition, and reporting requirements of military equipment (Government Code § 7070; Government Code § 7071; Government Code § 7072).

#### 709.1.1 DEFINITIONS

Definitions related to this policy include (Government Code § 7070):

**Governing body** – The elected or appointed body that oversees the Department.

**Military equipment** – Includes but is not limited to the following:

- Unmanned, remotely piloted, powered aerial or ground vehicles.
- Mine-resistant ambush-protected (MRAP) vehicles or armored personnel carriers.
- High mobility multipurpose wheeled vehicles (HMMWV), two-and-one-half-ton trucks, five-ton trucks, or wheeled vehicles that have a breaching or entry apparatus attached.
- Tracked armored vehicles that provide ballistic protection to their occupants.
- Command and control vehicles that are either built or modified to facilitate the operational control and direction of public safety units.
- Weaponized aircraft, vessels, or vehicles of any kind.
- Battering rams, slugs, and breaching apparatuses that are explosive in nature. This does not include a handheld, one-person ram.
- Firearms and ammunition of .50 caliber or greater, excluding standard-issue shotguns and standard-issue shotgun ammunition.
- Specialized firearms and ammunition of less than .50 caliber, including firearms and accessories identified as assault weapons in Penal Code § 30510 and Penal Code § 30515, with the exception of standard-issue firearms.
- Any firearm or firearm accessory that is designed to launch explosive projectiles.
- Noise-flash diversionary devices and explosive breaching tools.
- Munitions containing tear gas or OC, excluding standard, service-issued handheld pepper spray.
- TASER® Shockwave, microwave weapons, water cannons, and long-range acoustic devices (LRADs).
- Kinetic energy weapons and munitions.
- Any other equipment as determined by a governing body or a state agency to require additional oversight.

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### **709.2 POLICY**

It is the policy of the Los Angeles Port Police that members of this Department comply with the provisions of Government Code § 7071 with respect to military equipment.

### **709.3 MILITARY EQUIPMENT COORDINATOR**

The Chief of Police should designate a member of this Department to act as the military equipment coordinator. The responsibilities of the military equipment coordinator include but are not limited to:

- (a) Acting as liaison to the governing body for matters related to the requirements of this policy.
- (b) Identifying Department equipment that qualifies as military equipment in the current possession of the Department, or the equipment the Department intends to acquire that requires approval by the governing body.
- (c) Conducting an inventory of all military equipment at least annually.
- (d) Collaborating with any allied agency that may use military equipment within the jurisdiction of Los Angeles Port Police (Government Code § 7071).
- (e) Preparing for, scheduling, and coordinating the annual community engagement meeting to include:
  - 1. Publicizing the details of the meeting.
  - 2. Preparing for public questions regarding the 's funding, acquisition, and use of equipment.
- (f) Preparing the annual military equipment report for submission to the Chief of Police and ensuring that the report is made available on the Department website (Government Code § 7072).
- (g) Establishing the procedure for a person to register a complaint or concern, or how that person may submit a question about the use of a type of military equipment, and how the Department will respond in a timely manner.

### **709.4 MILITARY EQUIPMENT INVENTORY**

The following constitutes a list of qualifying equipment for the Department:

[See attachment: Military Weapons Inventory List.pdf](#)

### **709.5 APPROVAL**

The Chief of Police or the authorized designee shall obtain approval from the governing body by way of an ordinance adopting the military equipment policy. As part of the approval process, the Chief of Police or the authorized designee shall ensure the proposed military equipment policy is submitted to the governing body and is available on the Department website at least 30 days prior to any public hearing concerning the military equipment at issue (Government Code § 7071). The military equipment policy must be approved by the governing body prior to engaging in any of the following (Government Code § 7071):

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- (a) Requesting military equipment made available pursuant to 10 USC § 2576a.
- (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 jurisdiction of this Department.
- (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.
- (f) 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.
- (g) Acquiring military equipment through any means not provided above.

### **709.6 COORDINATION WITH OTHER JURISDICTIONS**

Military equipment should not be used by any other law enforcement agency or member in this jurisdiction unless the military equipment is approved for use in accordance with this policy.

### **709.7 ANNUAL REPORT**

Upon approval of a military equipment policy, the Chief of Police or the authorized designee should submit a military equipment report to the governing body for each type of military equipment approved within one year of approval, and annually thereafter for as long as the military equipment is available for use (Government Code § 7072).

The Chief of Police or the authorized designee should also make each annual military equipment report publicly available on the Department website for as long as the military equipment is available for use. The report shall include all information required by Government Code § 7072 for the preceding calendar year for each type of military equipment in Department inventory.

### **709.8 COMMUNITY ENGAGEMENT**

Within 30 days of submitting and publicly releasing the annual report, the Department shall hold at least one well-publicized and conveniently located community engagement meeting, at which the Department should discuss the report and respond to public questions regarding the funding, acquisition, or use of military equipment.

## Attachments

## Military Weapons Inventory List.pdf

## Support Services Division

### **Item 1**

#### Type

Ballistic Sport Utility Vehicle.

#### Description

Black in color, wheeled vehicle. No logos, Code Three modified, equipped with hidden Red/Blue lights and siren.

#### Quantity

1.

#### Capabilities

Armor level III rated to a .357 Magnum, 9mm Luger, and .44 Magnum.

#### Expected Lifespan

20 years.

#### Manufactures Description

International Armoring Corporation (IAC) built an Armor Level 3, B4 (NIJ Level IIIa) on a ¾ - Ton, 4 door, 4-wheel drive GMC Yukon XL.

#### Purpose and Authorized Uses

Vehicle is used by our Dignitary Protection Unit (DPU) to safely transport high-ranking dignitaries to special event locations. The Maritime Tactical Team (MTT) utilizes this vehicle in tactical situations that require a vehicle with ballistic armor capabilities.

#### Fiscal Impact

\$112,519.26 initial cost; \$5,000 annual maintenance.

#### Legal and Procedural Rules

Policy manual § 704 and 706; Training Bulletin 20-06 Department Vehicle Operations – Accident Avoidance.

#### Required Training

Agency-authored orientation course; annual refresher; driver license endorsement.

#### Compliance Mechanisms

Operational use under the review of the Support Services Division Commander or appropriate section supervision.

## **Item 2**

### Type

Squad Packable Utility Robot (SPUR).

### Description

Lightweight metal and rubber black in color Unmanned Ground Vehicle (UGV), equipped with a camera and a high performance manipulator arm, manipulated with a Universal Controller – Lightweight Interoperable Tactical Equipment (UC-LITE) controller.

### Quantity

1.

### Capabilities

Compact fold to stow design-transportable in a pack, rapidly deploys without tools, tactical mobility, exceptional radio range, lightweight with a high-performance load manipulation capability.

### Expected Lifespan

10 years.

### Manufactures Description

QinetiQ North America Lightweight metal and rubber black in color Unmanned Ground Vehicle (UGV), equipped with a camera and a high performance manipulator arm, manipulated with a Universal Controller – Lightweight Interoperable Tactical Equipment (UC-LITE) controller.

### Purpose and Authorized uses

Rapidly deploy Hazmat equipment used for monitoring and identifying types of hazardous material at incident sites that are dangerous for trained Hazmat personnel.

### Fiscal Impact

\$116,070 initial cost; Annual warranty cost of \$3,500; Replacement parts apx. \$2,000 annual maintenance.

### Legal and Procedural Rules

Policy manual § 704 and 706; Training Bulletin 20-06 Department Vehicle Operations – Accident Avoidance.

### Required Training

Agency-authored orientation course; annual refresher.

### Compliance Mechanisms

Operational use under the review of the Support Services Division Commander or appropriate section supervision.

### **Item 3**

#### Type

Ballistic Engineered Armored Response Vehicle (B.E.A.R.).

#### Description

Black power coat in color, wheeled vehicle. White agency name, logo, and markings. Code Three modified, equipped with Red/Blue lights and siren.

#### Quantity

1.

#### Capabilities

Range 100 mi. Armor rated to .50 cal.

#### Expected Lifespan

10 years.

#### Manufactures Description

Lenco Industries produced a four-wheeled, five speed automatic transmission, diesel engine-powered personnel carrier, with ballistic glass, and armored exterior that is rated to .05 cal.

#### Purpose and Authorized Uses

To provide for the safe transport, security, and rescue of agency personnel and citizens in high-risk incidents.

#### Fiscal Impact

\$225,000 initial cost; \$5,000 annual maintenance.

#### Legal and Procedural Rules

Special Order 14-04 Deployment of the Ballistic Engineered Armored Response (B.E.A.R.) Vehicle.

#### Required Training

Agency-authored orientation course; annual refresher; driver license endorsement.

#### Compliance Mechanisms

Operational use under the review of the Support Services Division Commander, appropriate section supervision, or the on-duty watch commander.

### **Item 4**

#### Type

Magnetic Audio Device.

#### Description

19.9" x 10.4" x 11.8" Aircraft grade aluminum housing, desert sand in color with a weight of 39 lbs.

#### Quantity

4.

#### Capabilities

200 watts RMS, 400W program (music or speech) 800W peak, 200 ms.

#### Expected Lifespan

10 years.

#### Manufactures Description

Active system with built in high grade D class power amplifiers, line microphone preamplifier/Mixer. 48 V DC NiHMH rechargeable battery pack. 90 V AC-24V AC battery charger. Wired head bend microphone and MP3 player with preprogrammed demo files included. Tripod included.

#### Purpose and Authorized Uses

A portable unit that can be deployed on land and sea for maritime protection, siege/hostage situations, and facility protection. Additional applications, crowd control, evacuation and emergency, mass notifications, and delivering non-lethal tones.

#### Fiscal Impact

\$12,000 initial cost per unit.

#### Legal and Procedural Rules

Support Services Division Standard Operational Procedures.

#### Required Training

Agency-authored orientation course; annual refresher.

#### Compliance Mechanisms

Operational use under the review of the Support Services Division Commander or appropriate section supervision.

### **Item 5**

#### Type

Mobile Incident Command Center.

#### Description

Solid polyurethane beige in color, wheeled vehicle. Black and Green, agency name, logo and markings. Code Three modified, equipped with Red/Blue lights and siren.

#### Quantity

1.

#### Capabilities

As the primary response agency at the Port of Los Angeles, the Port Police Mobile Command Center, via a digital technology platform, is able to establish immediate command and control communication and operation to support Federal, State, and Local resources in emergency situations.

#### Expected Lifespan

20 years.

#### Manufactures Description

Matthews Specialty Vehicles built the Mobile Incident Command Center vehicle on a 45' commercially serviceable Freightliner chassis. It has an XCR Tag Axle Heavy-duty rear engine with Bendix ADB22X air disc front brake system.

#### Purpose and Authorized Uses

Mobile Incident Command Centers are integral in response to emergencies to be used as the primary platform for personnel to conduct unified Incident Command System (ICS) management during an emergency or disaster situation. The Command Center is deployed during port-wide emergencies and mutual aid occurrences to maintain situational awareness for a common operational picture.

#### Fiscal Impact

\$592,972 initial cost; \$33,000 annual maintenance.

#### Legal and Procedural Rules

Policy manual § 704 and 706; Training Bulletin 20-06 Department Vehicle Operations – Accident Avoidance.

#### Required Training

Agency-authored orientation course; annual refresher; driver license endorsement.

#### Compliance Mechanisms

Operational use under the review of the Support Services Division Commander or appropriate section supervision.

#### Professional Development and Training Division

### **Item 6**

#### Type

12 gauge Launching Cup for Pocket Tactical Grenades (OC/CS/SMOKE).

#### Description

12 gauge Launching Canister an agency-authorized 12 gauge Launcher.

#### Quantity

2 Launching Cups.

50 Launching Cartridges.

#### Capabilities

Operational range 150 yards.

#### Expected Lifespan

5 years.

#### Manufactures Description

Launching CUP - The launching cup will project the Pocket Tactical Grenade beyond the normal throwing distance. This will extended the ability and safety of the officers involved. Removable shotgun forend to ensure proper stand-off when using breaching rounds.

Launching Cartridge - The 1210 12 gauge Muzzle Bang / Launching Cartridge incorporates an opaque shell and utilizes black powder as the propellant. It has the ability to be used alone as a Muzzle Bang for crowd management or for propelling grenades when using the 1370 Launching Cup.

#### Purpose and Authorized Uses

To introduce chemical agent/smoke canisters in areas to enhance officer safety.  
Launch smoke for signaling in maritime environment.

#### Fiscal Impact

Launching Cup \$25 initial cost; Launching Round \$5.00 per round cost; \$200 cost every 4-5 years.

#### Legal and Procedural Rules

Policy manual § 300, 308, and 309.

#### Required Training

Department Certification; annual refresher.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 7**

#### Type

12 gauge TKO Tactical Breaching Rounds.

#### Description

12 gauge breaching rounds for use in an agency-authorized 12 gauge Launcher.

#### Quantity

100 cartridges.

#### Capabilities

Operational range 0-1 yards.

#### Expected Lifespan

5 years.

#### Manufactures 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, dead bolts, safety chains, and pad locks on either wooden or hollow core doors. Upon impact with the target, the zinc slug disintegrates into a fine powder eliminating fragmentation.

#### Purpose and Authorized Uses

To conduct rescue operations on vessels, for active shooter response on barricaded locations.

#### Fiscal Impact

\$5.25 per round initial cost; \$200 cost every 4-5 years.

#### Legal and Procedural Rules

Policy manual § 300, 308, 309, and 414.

#### Required Training

Department Certification; annual refresher.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 8**

#### Type

37mm Energy Projectiles.

#### Description

37mm, CS Ferret CS Liquid Munition from an agency-authorized 37mm Launcher.

Quantity  
40.

Capabilities  
Operational range 50 yards.

Expected Lifespan  
5 years.

#### Manufactures Description

The Ferret® 37mm CS Round is a frangible projectile filled with chemical agent. Upon impacting the barrier, the nose cone ruptures and instantaneously delivers the .16 oz. agent payload inside a structure. These munitions are 4.8 in. by 1.5 in. and travels at 650fps within an effective range of 50 yards.

#### Purpose and Authorized Uses

To compel an individual to cease his/her actions when such munitions present a reasonable option. To introduce chemical agent into a confined area when it is unsafe to make entry. This is not for use on people. A verbal warning of the intended use of the device should precede its application.

#### Fiscal Impact

\$61.50 per round initial cost; \$500 cost every 4-5 years.

#### Legal and Procedural Rules

Policy manual § 300, 308, and 309.

#### Required Training

Department Certification; annual refresher.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 9**

#### Type

37mm Kinetic Energy Launcher.

#### Description

Dedicated 37mm Single Launchers that fire the approved 37mm munitions.

#### Quantity

2 Single Shot Launcher.

#### Capabilities

Deployed daily for all filed operations. Munition standoff distances are 5 ft. -120 ft.

#### Expected Lifespan

15 years.

#### Manufactures Description

Manufactured exclusively for Defense Technology®, the 37LMTS is a tactical single shot Launcher that features an expandable ROGERS Super Stoc and an adjustable Integrated Front Grip (IFG) with light rail. The ambidextrous Lateral Sling Mount (LSM) and QD mounting systems allow both a single and two-point sling attachment. The 37LMTS will fire standard 37/38mm less lethal ammunition, up to 8 inches in cartridge length. The Picatinny Rail Mounting System will accept a wide array of enhanced optics/sighting systems.

#### Purpose and Authorized Uses

To compel an individual to cease his/her actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application. Reduce deadly force encounters by having less lethal options in the field. Visual deterrent.

#### Fiscal Impact

Single Shot \$608 per Launcher initial cost; \$25 annual maintenance.

#### Legal and Procedural Rules

Policy manual § 300, 308, and 309.

#### Required Training

Department Certification; annual refresher; annual qualification.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 10**

#### Type

37mm Energy Projectiles.

#### Description

37mm, OC Ferret OC Liquid Munition from an agency-authorized 37mm Launcher.

#### Quantity

40.

#### Capabilities

Operational range 50 yards.

#### Expected Lifespan

5 years.

#### Manufactures Description

The Ferret® 37mm OC Round is a frangible projectile filled with chemical agent. Upon impacting the barrier, the nose cone ruptures and instantaneously delivers the .16 oz. agent payload inside a structure. These munitions are 4.8 in. by 1.5 in. and travels at 650fps within an effective range of 50 yards.

#### Purpose and Authorized Uses

To compel an individual to cease his/her actions when such munitions present a reasonable option. To introduce chemical agent into a confined area when it is unsafe to make entry. This is not for use on people. A verbal warning of the intended use of the device should precede its application.

#### Fiscal Impact

\$61.50 per round cost initial cost; \$500 cost every 4-5 years.

#### Legal and Procedural Rules

Policy manual § 300, 308, and 309.

#### Required Training

Department Certification; annual refresher.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 11**

#### Type

37mm Energy Projectiles.

#### Description

37mm, CS Long Range Speed Heat fired from an agency-authorized 37mm Launcher.

#### Quantity

50.

#### Capabilities

Operational range 150 yards.

Expected Lifespan  
5 years.

#### Manufactures Description

The Spede-Heat™ 37mm Long-Range Round is designed to deliver down range 150 yards. The Spede-Heat™ round is designed specifically for outdoor use in crowd control situations with a high volume continuous burn. Regardless, the volume of smoke and agent is vast and obtrusive. This 37mm shell casing is 4.75 in. by 1.5 in. and delivers approximately .94 oz. of active agent during its 20-40 second of burn time. The Spede-Heat™ chemical and smoke projectiles are designed for outdoor use and have fire-producing capability.

#### Purpose and Authorized Uses

To compel an individual to cease his/her actions when such munitions present a reasonable option. To provide a safe distance for officers and prevent rioters from entering areas. This is not an impact munition. A verbal warning of the intended use of the device should precede its application.

#### Fiscal Impact

\$15.55 per round cost initial cost; \$500 cost every 4-5 years.

#### Legal and Procedural Rules

Policy manual § 300, 308, 309, and 467.

#### Required Training

Department Certification; annual refresher; annual qualification.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 12**

#### Type

37mm Energy Projectiles.

#### Description

37mm, Training Liquid Munition from an agency-authorized 37mm Launcher.

#### Quantity

50.

#### Capabilities

Operational range 50 yards.

Expected Lifespan  
5 years.

#### Manufactures Description

The Ferret® 37mm Inert Round is a frangible projectile filled with chemical agent. Upon impacting the barrier, the nose cone ruptures and instantaneously delivers the .16 oz. agent payload inside a structure. The munitions is 4.8 in. by 1.5 in. and travels at 650fps within an effective range of 50 yards.

#### Purpose and Authorized Uses

To conduct training / certification for the use of ferret rounds.

#### Fiscal Impact

\$15.50 per round cost initial cost; \$400 cost every 4-5 years.

#### Legal and Procedural Rules

Policy manual § 300, 308, 309.

#### Required Training

Department Certification; annual refresher.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 13**

#### Type

40mm Kinetic Energy Projectiles.

#### Description

40mm, CS foam-tipped kinetic energy fired from an agency-authorized 40mm Launcher.

#### Quantity

300.

#### Capabilities

Operational range 5 ft. -120 ft.

#### Expected Lifespan

5 years.

#### Manufactures Description

The 40mm Direct Impact® munition is a point-of-aim, point-of-impact direct-fire round. An excellent solution whether you need to incapacitate a single subject or control a

crowd. When loaded with CS powder, the Direct Impact combines blunt trauma with the effects of an irritant powder, maximizing the potential for incapacitation.

#### Purpose and Authorized Uses

To compel an individual to cease his/her actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application.

#### Fiscal Impact

\$18.50 per round cost initial cost; \$500 annual qualification/certification cost.

#### Legal and Procedural Rules

Policy manual § 300, 308, and 309.

#### Required Training

Department Certification; annual refresher; annual qualification.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 14**

#### Type

40mm Kinetic Energy Marking Projectiles.

#### Description

40mm, foam-tipped kinetic energy fired from an agency-authorized 40mm Launcher.

#### Quantity

100.

#### Capabilities

Operational range 5 ft. -120 ft.

#### Expected Lifespan

5 years.

#### Manufactures Description

The 40mm Direct Impact Munition is a point-of-aim, point-of-impact direct fire round. An excellent solution whether you need to incapacitate a single subject or control a crowd. 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.

#### Purpose and Authorized Uses

To compel an individual to cease his/her actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application.

#### Fiscal Impact

\$18.52 per round initial cost; Apx. \$500 to replenish annually.

#### Legal and Procedural Rules

Policy manual § 300, 308, and 309.

#### Required Training

Department Certification; annual refresher; annual qualification.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 15**

#### Type

40mm Kinetic Energy Training Projectiles.

#### Description

Reloadable 40mm, Plastic-tipped kinetic energy fired from an agency-authorized 40mm Launcher.

#### Quantity

16,000 one shot refills.

#### Capabilities

Operational range 5 ft. -120 ft.

#### Expected Lifespan

5 years.

#### Manufactures Description

This reloadable training kit allows officers to practice loading, sighting, trigger pull, and range estimate at a fraction of the cost of tactical rounds. With the base sitting on a flat surface, the nose is inserted into to the opening until it clicks. Using the supplied hex key, the screw is loosened and the fired cartridge is removed. A new one is inserted and the screw is tightened. The round is now ready to fire. Total lapse time is under 10 seconds. These rounds are not for use on humans.

#### Purpose and Authorized Uses

To reduce the cost of annual training / qualification. NOT to be used in field application.

#### Fiscal Impact

\$910 per 250 rounds and replacement plastic noses initial cost; \$200 annual cost.

#### Legal and Procedural Rules

Policy manual § 308 and 309.

#### Required Training

Department Certification; annual refresher; annual qualification.

#### Compliance Mechanisms

Training use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 16**

#### Type

40mm Kinetic Energy Projectiles.

#### Description

40mm, foam-tipped kinetic energy fired from an agency-authorized 40mm Launcher.

#### Quantity

1,640.

#### Capabilities

Operational range 5 ft. -120 ft.

#### Expected Lifespan

5 years.

#### Manufactures Description

The eXact iMPact 40mm 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 40mm Launcher's rifled barrel. The round utilizes smokeless powder as the propellant, and therefore, have velocities that are extremely consistent, Used for Crowd Control, Patrol and Tactical Applications.

#### Purpose and Authorized Uses

To compel an individual to cease his/her actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application.

#### Fiscal Impact

\$18.50 per round initial cost; \$15,000 annual qualification/certification cost.

Legal and Procedural Rules  
Policy manual § 300, 308, and 309.

Required Training  
LAPD Academy; Department Certification; annual refresher; annual qualification.

Compliance Mechanisms  
Operational use under the review of the Professional Development and Training  
Division Commander or appropriate section supervision.

### **Item 17**

Type  
40mm Kinetic Energy Launcher (Multiple types).

Description  
Dedicated 40mm Single, 4-Shot, and 6-shot Launchers that fires the approved 40mm munitions.

Quantity  
24 Single Shot Launchers.  
6 (4) Shot Launchers.  
2 (6) Shot Launchers.

Capabilities  
Deployed daily for all filed operations. Munition standoff distances are 5 ft. -120 ft.

Expected Lifespan  
15 years.

#### Manufactures Description

Single Shot Launcher – Manufactured exclusively for Defense Technology®, the 40LMTS is a tactical single shot Launcher that features an expandable ROGERS Super Stoc and an adjustable Integrated Front Grip (IFG) with light rail. 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. The Picatinny Rail Mounting System will accept a wide array of enhanced optics/sighting systems.

4 Shot Launcher – Designed for riot and tactical situations, the Defense Technology® 1440 40mm Tactical 4-Shot Launcher is low profile and lightweight, providing multi-shot capability in an easy to carry Launcher. It features the Rogers Super Stoc™ expandable gunstock, an adjustable Picatinny mounted front grip, and a unique direct-drive system to advance the magazine cylinder. New Design Enhancements Effective October 19, 2018 These new design enhancements will result in a more robust and serviceable product, including a blast shield over the forward cylinder, minor material or coating

changes for improved wear, new mount plate for improved cylinder adjustment, enhanced drive mechanism for positive cylinder alignment, and strengthened frame connections.

6 Shot Launcher – A 40mm pump-action advance magazine drum Launcher with a fixed stock and combo rail. It has a six-shot capacity and rifled barrel. Previously labeled the PGL-65, the features include: Double-action trigger, trigger lock push button, and hammer lock safeties. See specification sheet for more details.

#### Purpose and Authorized Uses

To compel an individual to cease his/her actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application. Reduce deadly force encounters by having less lethal options in the field. Visual deterrent.

#### Fiscal Impact

Single Shot Launcher \$868 per Launcher initial cost; \$25 annual maintenance.

4 Shot Launcher \$1880 per Launcher initial cost; \$25 annual maintenance.

6 Shot Launcher \$1925 per Launcher initial cost; \$25 annual maintenance.

#### Legal and Procedural Rules

Policy manual § 300, 308, 309.

#### Required Training

Department Certification; annual refresher; and annual qualification.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 18**

#### Type

40mm Kinetic Energy Projectiles.

#### Description

40mm, OC foam-tipped kinetic energy fired from an agency-authorized 40mm Launcher.

#### Quantity

124.

#### Capabilities

Operational range 5 ft. -120 ft.

Expected Lifespan  
5 years.

#### Manufactures Description

The 40mm Direct Impact® munition is a point-of-aim, point-of-impact direct-fire round. An excellent solution whether you need to incapacitate a single subject or control a crowd. When loaded with OC powder, the Direct Impact combines blunt trauma with the effects of an irritant powder, maximizing the potential for incapacitation.

#### Purpose and Authorized Uses

To compel an individual to cease his/her actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application.

#### Fiscal Impact

\$18.50 per round cost initial cost; \$500 annual qualification/certification cost.

#### Legal and Procedural Rules

Policy manual § 300, 308, and 309.

#### Required Training

Department Certification; annual refresher; annual qualification.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 19**

#### Type

12 gauge Kinetic Energy Launcher (Converted Remington 870 Shotgun).

#### Description

Dedicated clearing marked 12 gauge beanbag Launcher that fires the approved Super Sock Bean Bag munition.

#### Quantity

15.

#### Capabilities

Deployed daily for all filed operations. Munition standoff distances are 21 ft. – 75 ft.

#### Expected Lifespan

15 years.

### Manufactures Description

If the Model 870™ were introduced today, it would be hailed as a major advance in pump-action shotgun design - the ultimate in strength, durability, silky-smooth bind-free action, and sleek classical lines. Yet this remarkable shotgun has been around for more than half a century, and has become the best-selling shotgun of any type in history, with over 11 million made. As one of the most popular shotguns of all time, the Model 870 is offered in dozens of configurations to suite hundreds of applications. Browse all models and you will see why it's one of the most versatile shotguns ever conceived.

### Purpose and Authorized Uses

To compel an individual to cease his/her actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application. Reduce deadly force encounters by having less lethal options in the field. Visual deterrent.

### Fiscal Impact

\$575 per Launcher initial cost; \$25 annual maintenance.

### Legal and Procedural Rules

Policy manual § 300, 308, and 309.

### Required Training

Department Certification; annual refresher; annual qualification.

### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

## **Item 20**

### Type

Patrol Rifle Duty / Training Ammunition.

### Description

Standard Issued Duty/Training Patrol Rifle Ammunition 5.56mm/223 cal/308.

### Quantity

30,000 rounds of 5.56mm Full Metal Jacket Ammunition.

15,000 rounds of 223 Cal. Law Enforcement Duty Ammunition.

30,000 rounds of 223 Cal. Frangible Training Ammunition.

1,000 rounds of 308 Cal. Law Enforcement Duty / Training Ammunition.

20 rounds of 308 Cal. Full Metal Jacket.

### Capabilities

Operational deployed by all sworn personnel.

Expected Lifespan  
5 years.

#### Manufactures Description

5.56mm Full Metal Jacket Ammunition – Backed by generations of legendary excellence, Winchester "USA White Box" stands for consistent performance and outstanding value, offering high-quality ammunition to suit a wide range of hunter's and shooter's needs.

223 Cal. Law Enforcement Duty Ammunition – Winchester Ranger offers a proven lineup of duty and training ammunition products; trusted reliability supporting the law enforcement community for decades.

223 Cal. Frangible Training Ammunition – You are only as good as your training, Ranger® Frangible SF™ allows for virtually unlimited close quarters and special purpose training. By incorporating totally lead-free-powdered metal projectiles, Ranger handgun, rifle and shotshell Frangible delivers superior frangibility against hard targets. With no jacket, plating or surface treatment, nothing but fine, low energy dust particles remain after hard surface impacts. Reduced ricochet and target backsplash mean more concentration on specific and accurate training.

308 Cal. Law Enforcement Duty / Training Ammunition – For serious rifle competition, trust Match ammunition. Combining proven Winchester technology with proven bullets, the hollow point boat tail design provides the precision match shooters demand, shot after shot.

308 Cal. Full Metal Jacket Training Ammunition – Designed for the sport shooter, USA Ready is a select grade of ammunition and components. Made in the USA, it offers optimal accuracy, and is ideal for competition, training, or just a day at the range.

#### Purpose and Authorized Uses

To Qualify, Training, and Deploy patrol rifles for duty use. Patrol rifles help obtain a tactical advantage when addressing deadly force encounters to include suspects with superior firearms, subject wearing body armor, multiple subjects, long distance engagements, vessel interdiction, etc.

#### Fiscal Impact

\$326 per 1000 rounds of 5.56mm Full Metal Jacket Ammunition initial cost.

\$495 per 1000 rounds of 223 Cal. Law Enforcement Duty Ammunition initial cost.

\$654.88 per 1000 rounds of 223 Cal. Frangible Training Ammunition initial cost.

\$934 per 200 rounds of 308 Cal. Law Enforcement Duty / Training Ammunition initial cost.

\$24 per 20 Rounds of 308 Cal. Full Metal Jacket Training Ammunition initial cost.

Apx. \$175,000 to replenish annually.

#### Legal and Procedural Rules

Policy manual § 300, 308, 309, 310, and 312.

#### Required Training

Post Approved Certification; annual manipulations; refresher training; bi-annual qualification; manipulations test.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 21**

#### Type

Colt Patrol Rifle.

#### Description

Standard Issued Semi-Automatic Colt Patrol Rifle 5.56mm/223 cal.

#### Quantity

138.

#### Capabilities

Operational deployed by all sworn personnel.

#### Expected Lifespan

15-25 years.

#### Manufactures 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.

#### Purpose and Authorized Uses

To obtain a tactical advantage when addressing deadly force encounters to include suspects with superior firearms, subject wearing body armor, multiple subjects, long distance engagements, vessel interdiction, etc.

#### Fiscal Impact

\$990 per rifle cost initial cost; \$30 annual maintenance.

#### Legal and Procedural Rules

Policy manual § 308, 309, 310, and 312.

#### Required Training

Post Approved Certification; annual manipulations; refresher training; bi-annual qualification; manipulations test.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 22**

#### Type

Colt Patrol Rifle.

#### Description

Emergency Capabilities Deployment Select Fire Colt Patrol Rifle 5.56mm/223 cal.

#### Quantity

113 Colt M16/M4.

#### Capabilities

Must have command approval for deployment by certified sworn personnel.

#### Expected Lifespan

15-25 years.

#### Manufactures Description

The Colt M16A4 Rifle is the fourth generation of the M16 series weapon system, and is the world standard by which all other weapons of this class are judged. With a removable carrying handle and an integral rail mounting system for optics and other ancillary devices, it is the ultimate 5.56mm full-length combat rifle.

#### Purpose and Authorized Uses

To obtain a tactical advantage when addressing deadly force encounters to include suspects with superior firearms, subject wearing body armor, multiple subjects, long distance engagements, vessel interdiction, significant terrorist attack, etc.

#### Fiscal Impact

\$1,500.00 per rifle initial cost; \$10-30 annually.

#### Legal and Procedural Rules

Policy manual § 300, 308, 309, 310, and 312.

#### Required Training

Post Approved Certification, Department refresher training, annual manipulations refresher training, and bi-annual qualification, manipulations test.

## Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 23**

#### Type

Colt Sub-compact Patrol Rifle.

#### Description

Converted Simunition Training Select Fire Colt Patrol Rifle 9mm/SIMs.

#### Quantity

2.

#### Capabilities

Converted Rifles as dedicated Simunition training firearms.

#### Expected Lifespan

15-25 years.

#### Manufactures Description

The Colt 9mm Submachine Gun (SMG) is exceptionally well suited for military, paramilitary, and Law Enforcement organizations requiring a lightweight, compact, highly concealable, select fire weapon system for close confrontations. The Colt SMG is constructed with a modular rail system that allows the easy mounting of ancillary devices, fires from a closed bolt, is equipped with a collapsible buttstock, and is easily field stripped without the need of any special tools. The straight-line construction, coupled with the low recoil of 9mm ammunition, provides highly accurate fire with less muzzle climb, especially in full automatic fire. Less recoil also facilitates ease of training and improves accuracy. Finally, operation and training for the Colt 9mm SMG is similar to that for the Colt M16A2/A4 Rifle, Colt M4 Carbine or Colt Commando Carbine, simplifying user training substantially.

#### Purpose and Authorized Uses

To use in force options simulated training involved force of force paint rounds to enhance officers' decision-making capabilities. Not to be used against subjects for field use.

#### Fiscal Impact

\$500 per rifle initial cost; \$10 annual maintenance.

#### Legal and Procedural Rules

Policy manual § 300, 308, 309, 310, and 312.

## Required Training

Basic Firearms Safety Training for operator; Instructor must attend Certified Simunition Instructor class to facilitate the training.

## Compliance Mechanisms

Training use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

## **Item 24**

### Type

CS Chemical Mmunition Variety.

### Description

CS Chemical Mmunition Canisters.

### Quantity

4 Training Capsules (50 per unit).

50 CS Pocket Tactical Canisters.

50 CS Triple Chaser Canister.

25 CS Riot Control Continuous Discharged.

### Capabilities

Deployed in open areas, vehicles / vessels, structures.

### Expected Lifespan

5 years.

### Manufactures Description

Training Capsules – Pressed capsules are used in confined areas to simulate the presence of chemical agents. Heated with a candle or sterno flame, they will melt and release CS gas only into the area directed. The normal affected area is 15 cubic meters. These have been used in gas mask training and other forums where a controlled amount of agent is needed to develop lifesaving skills.

CS Pocket Tactical Canisters – The Pocket Tactical CS Grenade is small, and lightweight. The 0.9 oz. of active agent will burn approximately 20-40 seconds. At 4.75 in. by 1.4 inches in size, it easily fits in most tactical pouches. This is a launchable grenade; however, it is normally used as a signaling or covering device. Though this device is slightly over four inches in length, it produces a smoke cloud so fast it appears to be an enveloping screen produced by a full size tactical grenade.

CS Triple Chaser Canister – The Triple-Chaser® CS consists of three separate canisters pressed together with separating charges between each. When deployed, the canisters separate and land approximately 20 feet apart allowing increased area coverage in a short period of time. This grenade can be hand thrown or launched from a

fired delivery system. The grenade is 6.5 in. by 2.7 in. and holds an approximately 3.2 oz. of active agent payload. It has an approximate burn time of 20-30 seconds.

CS Riot Control Continuous Discharged – The Riot Control CS Grenade is designed specifically for outdoor use in crowd control situations with a high volume continuous burn that expels its payload in approximately 20-40 seconds through four gas ports located on the top of the canister. This grenade can be used to conceal tactical movement or to route a crowd. The volume of smoke and agent is vast and obtrusive. This launchable grenade is 6.0 in. by 2.35 in. and holds approximately 2.7 oz. of active agent.

#### Purpose and Authorized Uses

To compel an individual to cease his/her actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application. To be used for area deniability, riots, rescue operations, training, tactical incidents, mutual aid, and increasing officer safety. Must have command approval prior to use.

#### Fiscal Impact

\$53.12 per 50 pack of training Capsules initial cost; \$19.03 per Tactical Canisters initial cost; \$35.15 per Triple Chaser Canister initial cost; \$22.71 per CS Riot Control Continuous Discharged Canister initial cost; Replenish supply apx. every 3-4 years.

#### Legal and Procedural Rules

Policy manual § 300, 308, 309, 310, and 312.

#### Required Training

Department Certification; annual refresher; Instructor must attend certified instructor course.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 25**

#### Type

Distraction Device Variety.

#### Description

Distraction Device Handheld Flashbang.

#### Quantity

360 Training Fuze.

50 Low Roll One time use Distraction Device.

96 Reload Charge (4-gram).

26 Def Tec Reloadable Body.  
10 Def Tec Training Reloadable Body.

#### Capabilities

Deployed in open areas, on vessels, in structures.

#### Expected Lifespan

5 years.

#### Manufactures Description

Training Fuzes – The Defense Technology® Low Roll® Distraction Device® Training Fuze with Safety Clip offers a reliable and safe way to introduce students to the proper deployment protocols used by your Department. The safety clip is designed to keep the pull-pin against the device body to prevent the pin from protruding and possibly snagging on other objects. The Low Roll Distraction Device Training Fuze (1697TSC) will deliver 120 dB of sound and a slight flash. Used in conjunction with the 8933T Low Roll Distraction Device Training Body or the 8922T Low Roll II Distraction Device Training Body, the fuze and body assemblies allow students to understand the safe applications of the Defense Technology reloadable Distraction Device models.

Low Roll One time use Distraction Device – The 12-gram Low Roll® Non-Reloadable Distraction Device® w/ Safety Clip, High Humidity utilizes an M201A1 type fuze with Hex design steel body. It produces 175 dB of sound output at 5 feet and 6-8 million candelas for 10 milliseconds. This is a modified version of the Low Roll Non-Reloadable Distraction Device that is designed for use in high humidity environments, which incorporates a water resistant charge tube. The standard render safe practice involving 24-hour water submersion will no longer be effective for the high humidity devices, please consult the render safe procedure for incineration in the instructions.

4-gram Reload Charge – The 4-gram Distraction Device® Reload produces a reduced light, and sound output ideal for when the full effects of the 12-gram charge are not desirable. The 4-gram Distraction Device® Reload is used in training environments, when a delayed report is required.

Def Tec Reloadable Body- The Low Roll Distraction Device is a reloadable gun steel body with hex design. This newest version of the first reusable non-bursting canister limits movement and rolling once deployed.

Def Tec Reloadable Device – The 11-gram Non-Reloadable Distraction Device® w/Safety Clip incorporates an M201A1 type fuze with hex design gun steel body. This is a compact version of the 8933 Low Roll® Distraction Device is the newest version of the first reusable non-bursting canister that limits movement and rolling once deployed. The compact Distraction Device unit fits safely in your hand and packs all the power of the full-size 15-gram Distraction Device® unit.

Def Tec Reloadable Training Device – The Defense Technology® Low Roll® Training Body is a replica of the Low Roll Distraction Device® body. The hex cut end cap design reduces the roll effect when deployed. The training body is powder-coated military training blue to be easily distinguished from operational devices. This body will only accept the 1697 series of training fuzes and has an unlimited life cycle of use. The use of eye, hearing and glove protection is strongly encouraged. When deploying, do not block the end caps.

#### Purpose and Authorized Uses

To compel an individual to cease his/her actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application. To be used for creating a distraction to enhance officer safety to perform rescues, emergency response, potential violent dangerous situations. Must have command approval prior to use.

#### Fiscal Impact

\$3.24 per Training Fuze initial cost.  
\$46.65 per Low Roll One time use Distraction Device initial cost.  
\$38 per 4-gram Reload Charge initial cost.  
\$82 per Def Tec Reloadable Body initial cost.  
\$38.77 per Def Tec Training Reloadable Body initial cost.

Replenish supply apx. every 4-5 years.

#### Legal and Procedural Rules

Policy manual § 300, 308, 309, 310, 312.

#### Required Training

Department Certification; annual refresher training; and Instructor must attend certified instructor course every three years.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 26**

#### Type

HK MP5 Patrol Rifle.

#### Description

Emergency Capabilities Deployment Select Fire HK MP5 9mm.

#### Quantity

19.

#### Capabilities

Must have command approval for deployment by certified sworn personnel.

#### Expected Lifespan

15-25 years.

#### Manufactures Description

The MP5K is the ultimate close-quarters weapon. Created for use in very confined spaces, it is optimally suited both for active engagement of individual targets, and for personal defense. With its low weight and compact size, it offers a decisive advantage: The weapon can be carried concealed on the person without limiting the carrier's freedom of movement.

#### Purpose and Authorized Uses

To obtain a tactical advantage when addressing deadly force encounters to include suspects with superior firearms, subject wearing body armor, multiple subjects, Tight Vessel Corridors , vessel interdiction, significant terrorist attack, etc.

#### Fiscal Impact

\$2,500 per rifle initial cost; \$10-30 annual maintenance.

#### Legal and Procedural Rules

Policy manual § 300, 308, 309, 310, and 312.

#### Required Training

Post Approved Certification; Department refresher training; annual manipulations refresher training; bi-annual qualification; manipulations test.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 27**

#### Type

HK UMP40 Patrol Rifle.

#### Description

Emergency Capabilities Deployment Select Fire HK UMP 40 Cal.

#### Quantity

12.

#### Capabilities

Must have command approval for deployment by certified sworn personnel.

Expected Lifespan  
15-25 years.

#### Manufactures Description

With the UMP, Heckler & Koch has developed a versatile submachine gun the likes of which did not exist before on the world market. A weapon that can cover three calibers simply by exchanging a few assemblies: 9 mm x 19, .40 S&W and .45 ACP. The UMP combines top-rate performance with simple handling and high safety standards. The modular fibre-reinforced polymer receiver guarantees the necessary ruggedness with minimized overall weight. As a typical member of the HK family of weapons, the UMP is a highly effective, economical alternative for military and law enforcement applications.

#### Purpose and Authorized Uses

To obtain a tactical advantage when addressing deadly force encounters to include suspects with superior firearms, subject wearing body armor, multiple subjects, Tight Vessel Corridors , vessel interdiction, significant terrorist attack, etc.

#### Fiscal Impact

\$2,500 per rifle cost initial cost; \$10-30 annual maintenance.

#### Legal and Procedural Rules

Policy manual § 300, 308, 309, 310, and 312.

#### Required Training

Post Approved Certification; Department refresher training; annual manipulations refresher training; bi-annual qualification; manipulations test.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

**Item 28**

Type

Infrared Weapons Training System.

Description	Quantity
Active Shooter/Force on Force Training System	1
Law Enforcement Infrared M4	4
Law Enforcement Infrared Pistol	10
Infrared Vest	10
Stress X Belt	10
Infrared Headband	10
Command Control Module	1
Infrared Pistol Smart Magazine	10
Smart Magazine IR M4 (set of 2)	2
Co2 12-gram case	1
Co2 8-gram case	2
Armorers Kit	1
Training	1

Manufactures Description

Law Enforcement Active Shooter Force on Force integrated training system. Utilized with ICE software and placed in hard cases.

Capabilities

The system would be used for training scenarios such as Active Shooter, Felony Vehicle Stops, Building Searches, and Use of Force training.

Expected Lifespan

10 years.

Purpose and Authorized Uses

Dedicated to supporting law enforcement agencies with the most effective crisis management, active shooter training, and equipment available. This is the training platform for item 22- Colt M16/M4 Patrol Rifle.

Fiscal Impact

\$48,760.91 initial cost.

Legal and Procedural Rules

Policy manual § 208, 300, 308, 309, 310, 312, and 414.

Required Training

One-time vendor authorized orientation course that was provided at time equipment was received.

## Compliance Mechanisms

Training use under the review of the Professional Development and Training Commander or appropriate section supervision.

### **Item 29**

#### Type

OC Chemical Munition.

#### Description

OC Chemical Munition Canisters.

#### Quantity

30 OC Aerosol Vapor Canisters.

#### Capabilities

Deployed in open areas, vehicles / vessels, structures.

#### Expected Lifespan

5 years.

#### Manufactures Description

The Defense Technology® OC Vapor Aerosol Grenade is for law enforcement and corrections use to deliver a high concentration of Oleoresin Capsicum (OC) in a powerful mist. The grenade is designed for indoor-use in confined areas and, once deployed, inflames the mucous membranes and exposed skin resulting in an intense burning sensation. The incapacitating effect of the OC Vapor on the subject is dramatic, yet requires minimal decontamination. Removing the subject from the affected area to fresh air will resolve respiratory effects within minutes. The OC Vapor Aerosol Grenade is ideal for cell extractions or barricade situations where the use of pyrotechnic, powder or liquid devices is not practical or desired.

#### Purpose and Authorized Uses

To compel an individual to cease his/her actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application. To be used for area deniability, riots, rescue operations, training, tactical incidents, mutual aid, and increasing officer safety.

#### Fiscal Impact

\$37.22 per OC Canister initial cost; Replenish supply apx. every 3-4 years.

#### Legal and Procedural Rules

Policy manual § 208, 300, 308, 309, 414, and 467.

#### Required Training

Department Certification; annual refresher; Instructor must attend certified instructor course.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 30**

#### Type

OC Chemical Munition.

#### Description

OC Canister Hand Deployed.

#### Quantity

2 MK9 OC.

9 MK9 OC Vapor.

#### Capabilities

Deployed in open areas, vehicles / vessels, structures.

#### Expected Lifespan

5 years.

#### Manufactures Description

MK9 OC Spray – The MK-9 features an easy to use trigger handle and will deliver 14 short bursts of OC at an effective range of 18-20 ft. This OC/CS aerosol product utilizes a stream delivery method providing a target-specific, strong concentrated stream for greater standoff.

Mk9 OC Vapor – The MK-9S features an easy to use trigger handle, is intended for use in crowd management and will deliver 8-10 short bursts of OC at an effective range of 10-15 ft. This .7% MC OC aerosol product utilizes a vapor delivery method providing a high concentration of OC in a powerful mist inflaming the mucous membranes and exposed skin. Onset is immediate and very intense, resulting in an intense burning sensation that evaporates quickly when exposed to fresh air.

#### Purpose and Authorized Uses

To compel an individual to cease his/her actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application. To be used for area deniability, riots, rescue operations, training, tactical incidents, mutual aid, and increasing officer safety.

#### Fiscal Impact

\$48.99 per MK9 OC Canister initial cost; \$48.99 per MK9 OC Vapor initial cost; Replenish supply apx. every 3-4 years.

#### Legal and Procedural Rules

Policy manual § 208, 300, 308, 309, 310, 312, 414, and 467.

#### Required Training

Department Certification; annual refresher; Instructor must attend certified instructor course.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 31**

#### Type

Pepperball Delivery System / Launcher (Multiple types).

#### Description

Dedicated Pepperball Launching Platforms that fires the approved Pepperball munitions.

#### Quantity

15 Shoulder Mounted Pepperball Launching Systems.  
4 Handheld Pepperball TCP Launching Systems.

#### Capabilities

Deployed daily for all filed operations. Munition standoff distances are 3 ft. -150 ft.

#### Expected Lifespan

10 years.

#### Manufactures Description

FTC Launcher – FTC is a high capacity, semi-automatic Launcher that is perfect for crowd management and mobile field force operations. Reliable and accurate, it features a hopper that can hold up to 180 rounds and a flexible air source configuration.

TAC SF – This TAC-SA Semi-3<sup>Rd</sup> Burst-automatic Launcher is the perfect tool for crowd management, riot-control scenarios or any other situation requiring high-intensity engagement. The TAC-SA quickly disperses PAVA across expansive areas.

Handheld Pepperball Launcher – The TCP™ (Tactical Compact Pistol) is a PepperBall Launcher that gives you the ability to have a multi-shot, non-lethal product on your belt, in your car, home, or when you travel. Requires no license or waiting period.

### Purpose and Authorized Uses

To compel an individual to cease his/her actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application. Reduce deadly force encounters by having less lethal options in the field. Create area deniability by introducing Pepper Powder in the area. Also used to locate hidden possibly armed subjects, increasing officer safety, vessel interdiction, enforcing maritime security zones, and having other low-level use of force options to deescalate deadly force situations.

### Fiscal Impact

Single Shot \$565 per Launcher initial cost; \$10 annual maintenance.

Shoulder Mounted Launcher \$700 per Launcher initial cost; \$10 annual maintenance.

### Legal and Procedural Rules

Policy manual § 300, 308, and 309.

### Required Training

Department Certification; annual refresher; annual qualification.

### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

## **Item 32**

### Type

Pepperball Munitions (Multiple types).

### Description

Pepperball munitions that fires the approved Pepperball Launching Platforms.

### Quantity

20 Pepperball Live (375 round count).

10 Pepperball Live X (375 round count).

5 Pepperball Marking (10 round count).

15 Pepperball Glass Breaking (10 round count).

23 Pepperball Inert Training (375 round count).

125 Pepperball VXR Live X (25 round count).

### Capabilities

Deployed daily for all filed operations. Munition standoff distances are 3 ft. -150 ft.

### Expected Lifespan

5 years.

### Manufactures Description

Pepperball Live – The basic PepperBall projectile, it contains 2% PAVA, and is excellent for direct impact and area saturation, especially in confined, interior spaces.

Pepperball Live X – Our most potent and powerful concentration of PAVA pepper powder. One round of LIVE-X™ contains the equivalent PAVA irritant chemical agent in 10 regular PepperBall® LIVE™ rounds.

Pepperball Marking – This projectile contains a paint solution that can be used to mark suspects for later apprehension and/or marking doors, openings, or objects for identification.

Pepperball Glass Breaking – A solid polymer projectile used for breaking out residential windows and side-glass of automobiles. Not for use on humans or animals.

Pepperball Inert Training – Containing a harmless, scented powder, this projectile is best suited for training, qualifications, and direct impact when chemical exposure is not desired.

VXR Live X – A more concentrated formula, containing approximately 10x the PAVA of the VXR LIVE projectile. Excellent for direct impact or area saturation.

### Purpose and Authorized Uses

To compel an individual to cease his/her actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application. Reduce deadly force encounters by having less lethal options in the field. Create area deniability by introducing Pepper Powder in the area. Also used to locate hidden possibly armed subjects, increasing officer safety, vessel interdiction, enforcing maritime security zones, and having other low-level use of force options to deescalate deadly force situations.

### Fiscal Impact

\$825 Pepperball Live (per 375 round count).

\$1075 Pepperball Live X (per 375 round count).

\$25 Pepperball Marking (per 10 round count).

\$25 Pepperball Glass Breaking (per 10 round count).

\$275 Pepperball Inert Training (per 375 round count).

\$594 Pepperball VXR Live X (per 150 round count).

Apx. \$17,000 annually.

### Legal and Procedural Rules

Policy manual § 300, 308, and 309.

### Required Training

Department Certification; annual refresher; annual qualification.

## Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 33**

#### Type

40mm / 12 gauge Signal Flares.

#### Description

40mm / 12 gauge Signal Flares an agency-authorized Launcher.

#### Quantity

425 12 gauge Ariel Signal Flares.

300 40mm Ariel Signal Flares.

#### Capabilities

Operational range 50-300 meters.

#### Expected Lifespan

5 years.

#### Manufactures Description

12 gauge Signaling / Warning Flare – The 12 gauge Aerial Warning/Signaling Munitions series are designed to produce 170 dB of sound, and 2.2 million candelas of light. Each munition is manufactured to deflagrate at a set distance and altitude. These distances are 50 and 100 meters from the point of origin. Launched from a 12 gauge platform, these munitions give the operator the ability to engage people, vehicles or vessels from a safe stand-off position.

40mm Signal/ Warning Flare – The 40mm Aerial Warning/Signaling Munition, 50/100/200/300 meters, is intended for use in situations where stand-off distance is desired, giving the operator the ability to engage crowds, vehicles, or vessels. Launched from a 40mm platform, the munitions deflagrate at a set distance of 50/100/200/300 meters to deliver 170 dB of sound and 5 million candelas of light, noticeable in day or night conditions. A tactile feature on the nose of the cone indicates the designated distance.

#### Purpose and Authorized Uses

To introduce warning to boaters entering security zones, warning pending use of force encounters, distracting subjects/crowds, signaling emergencies. Not to be used to impact people.

#### Fiscal Impact

\$14.15 12 gauge Ariel Signal Flares (per 5 pack).

\$17.80 40mm Ariel Signal Flares (per round).

Apx. \$100 every 1-2 years.

Legal and Procedural Rules  
Policy manual § 308, 309, 434, and 804.

Required Training  
Department Certification; annual refresher.

Compliance Mechanisms  
Operational use under the review of the Professional Development and Training  
Division Commander or appropriate section supervision.

### **Item 34**

Type  
Simunition Training Cartridges.

Description  
Force on Force, De-escalation Training Cartridges.

Quantity  
38,000 rounds of various color marking Simunition 9mm Cartridges.  
1,000 rounds of Simunition Secure Blanks 9mm Cartridges.

Capabilities  
These are intended for training purposes only.

Expected Lifespan  
5 years.

Manufactures Description  
Simunition Marking Cartridges – The FX® marking cartridges, which come in six colors, are at the core of the FX® Training System known as "the world's most realistic close-range combat training system". The patented, reduced-energy, non-lethal cartridges leave a detergent-based, water-soluble color-marking compound. The visible impacts allow accurate assessment of simulated lethality. The cartridges are available in .38 cal. and 9mm and feature tactical accuracy up to 25 feet (7.6 meters). The 5.56mm is tactically accurate with ball cartridges to 100 feet (30 meters). No special ballistic facilities are required. They meet the need for a force-on-force and man-to-man training system that is realistic, effective, inexpensive, adaptable and fully portable.

Simunition Black Cartridges – SecuriBlank® Loud cartridges set a new standard as the world's safest blank cartridges. These reduced-energy cartridges are designed to use the Simunition® conversion kit. SecuriBlank® Loud feature reduced propellant charge. These cartridges produce realistic recoil, and are safer because they virtually eliminate unburnt propellant and ejected particles. SecuriBlank® Loud cartridges are affordable

and convenient for training any time, any place, indoors or outdoors. Available in 9mm and 5.56 cal.

#### Purpose and Authorized Uses

To conduct de-escalation / force on force training scenarios to properly officer to train in decision making during use of force encounters.

#### Fiscal Impact

\$183.50 Simunition Marking Cartridges (per 500 round case).

\$183.50 Simunition Black Cartridges (per 500 round case).

Replenish cartridges every apx. 10 years.

#### Legal and Procedural Rules

Policy manual § 208, 308, and 309.

#### Required Training

Instructor Certification every 2 years.

#### Compliance Mechanisms

Training use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 35**

#### Type

Simunition Conversion Kits.

#### Description

Force on Force, De-escalation Training Kits.

#### Quantity

5 40mm Simunition Conversion Kit.

30 Glock Simunition Conversion Kit.

3 Shotgun Simunition Conversion Kit.

8 Patrol Rifle Simunition Conversion Kit.

#### Capabilities

These are intended for training purposes only.

#### Expected Lifespan

5 years.

#### Manufactures Description

Simunition Conversion Kits – To further enhance the realism of its training exercises, Simunition® has developed simple, inexpensive, easy-to-install conversion kits that

allow its SecuriBlank® Loud ammunition to be fired from the officer's own service weapons. As both an integral and essential part of a training system which stresses user safety, these kits help preclude the inadvertent chambering of live ammunition and ensure the proper operation and cycling of the weapons with SecuriBlank® Loud training ammunition.

#### Purpose and Authorized Uses

To conduct de-escalation / force on force training scenarios to properly officer to train in decision making during use of force encounters.

#### Fiscal Impact

\$414 per 40mm Simunition Conversion Kit.

\$481 per Glock Simunition Conversion Kit.

\$263.60 per Shotgun Simunition Conversion Kit.

\$711.72 per Patrol Rifle Simunition Conversion Kit.

#### Legal and Procedural Rules

Policy manual § 208, 300, 308, and 309.

#### Required Training

Instructor Certification every 2 years.

#### Compliance Mechanisms

Training use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 36**

#### Type

Tactical Smoke.

#### Description

Handheld Tactical Smoke Canisters.

#### Quantity

50 Smoke Pocket Tactical Canisters.

#### Capabilities

Deployed in open areas.

#### Expected Lifespan

5 years.

#### Manufactures Description

Smoke Pocket Tactical Canisters – The Pocket Tactical Saf-Smoke™ Grenade is small, and lightweight. The Saf-Smoke™ will burn approximately 20-40 seconds. At 4.75 in. by

1.4 inches in size, it easily fits in most tactical pouches. This is a launchable grenade; however, it is normally used as a signaling or covering device. Though it is slightly over four inches in length, it produces a smoke cloud so fast it appears to be an enveloping screen produced by a full size tactical grenade.

#### Purpose and Authorized Uses

To check the wind to enhance safety when deploying chemical munitions, to signal officer and enhance officer safety, to reduce visibility for rescues operations, to create an illusion of chemical munitions being introduced and reduce the use of force against rioters.

#### Fiscal Impact

\$19.07 per Tactical Canisters initial cost; Replenish supply apx. every 3-4 years.

#### Legal and Procedural Rules

Policy manual § 300, 308, 309, 414, and 467.

#### Required Training

Department Certification; annual refresher; Instructor must attend certified instructor course.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 37**

#### Type

12 gauge Kinetic Energy Projectiles.

#### Description

12 gauge, Super Sock, Bean Bag munition fired from an agency-authorized 12 gauge Launcher.

#### Quantity

5,500.

#### Capabilities

Operational range 21 ft. – 75 ft.

#### Expected Lifespan

5 years.

#### Manufactures Description

The 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 75 ft.

#### Purpose and Authorized Uses

To compel an individual to cease his/her actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application.

#### Fiscal Impact

\$5.50 per round cost initial cost; \$15,000 annual qualification/certification cost.

#### Legal and Procedural Rules

Policy manual § 300, 308, and 309.

#### Required Training

Department Certification; annual refresher; annual qualification.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 38**

#### Type

X26/X26P – 21 ft. Live Cartridge.

#### Description

X26/X26P – 21 ft. Live Cartridge, Grey.

#### Quantity

127.

#### Capabilities

Operational range 0 ft. - 21ft.

#### Expected Lifespan

5 years.

#### Manufactures Description

Every time a TASER cartridge is deployed, approximately 20–30 small confetti-like Anti-Felon Identification (AFID) tags are ejected. Cartridges can be assigned to individual users, as each is serialized. Each AFID tag is printed with the corresponding serial number of the cartridge deployed, allowing determination of which user deployed the particular cartridge.

#### Purpose and Authorized Uses

To compel an individual to cease his/her actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application.

#### Fiscal Impact

\$28 per cartridge initial cost; \$5,000 annual qualification, training, and certification cost.

#### Legal and Procedural Rules

Policy manual § 208, 300, 308, and 309.

#### Required Training

LAPD Academy; Department Certification; annual refresher training; and annual qualification.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 39**

#### Type

X26/X26P – 25 ft. Extra Penetration Live Cartridge.

#### Description

X26/X26P – 25 ft. Extra Penetration Live Cartridge, Green.

#### Quantity

33.

#### Capabilities

Operational range 0 ft. – 25 ft.

#### Expected Lifespan

5 years.

#### Manufactures Description

The X26/X26P Live 25 ft. cartridges have green blast doors. These cartridges have extra penetration capabilities to assist with retention and decrease clothing disconnects. Every time a TASER cartridge is deployed, approximately 20–30 small confetti-like Anti-Felon Identification (AFID) tags are ejected. Cartridges can be assigned to individual users, as each is serialized. Each AFID tag is printed with the corresponding serial number of the cartridge deployed, allowing determination of which user deployed the particular cartridge.

#### Purpose and Authorized Uses

To compel an individual to cease his/her actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application.

#### Fiscal Impact

\$32 per cartridge initial cost; \$5,000 annual qualification, training, and certification cost.

#### Legal and Procedural Rules

Policy manual § 208, 300, 308, and 309.

#### Required Training

LAPD Academy; Department Certification; annual refresher; annual qualification.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 40**

#### Type

Taser Training Cartridge.

#### Description

Taser X26p Training Cartridge, Blue.

#### Quantity

475.

#### Capabilities

Operational range 0 ft. – 21 ft.

#### Expected Lifespan

5 years.

#### Manufactures Description

The X26P Training 21 ft. cartridges have Blue blast doors. These cartridges deploy probes that do not have electrical output. These are intended for training purposes only.

#### Purpose and Authorized Uses

These are intended for training purposes only.

#### Fiscal Impact

\$26.95 per cartridge initial cost; \$5,000 annual qualification, training, and certification cost.

Legal and Procedural Rules  
Policy manual § 208, 300, 308, and 309.

Required Training  
LAPD Academy; Department Certification; annual refresher; annual qualification.

Compliance Mechanisms  
Operational use under the review of the Professional Development and Training  
Division Commander or appropriate section supervision.

#### **Item 41**

Type  
X2 – 25 ft. Live Smart Cartridge.

Description  
Taser, X2 – 25 ft. Live Smart Cartridge, Black.

Quantity  
6.

Capabilities  
Operational range 0 ft. – 25 ft.

Expected Lifespan  
5 years.

Manufactures Description  
The X2 Live 25 ft. Smart cartridges have black blast doors and clear shipping cover. Every time a TASER cartridge is deployed, approximately 20–30 small confetti-like Anti-Felon Identification (AFID) tags are ejected. Cartridges can be assigned to individual users, as each is serialized. Each AFID tag is printed with the corresponding serial number of the cartridge deployed, allowing determination of which user deployed the particular cartridge.

Purpose and Authorized Uses  
To compel an individual to cease his/her actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application.

Fiscal Impact  
\$35.95 per cartridge initial cost; \$1,000 annual qualification, training, and certification cost.

Legal and Procedural Rules  
Policy manual § 300, 308, and 309.

#### Required Training

LAPD Academy; Department Certification; annual refresher; annual qualification.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 42**

#### Type

TASER X2 CEW – Black.

#### Description

TASER X2 CEW – Black.

#### Quantity

2.

#### Capabilities

Operational range 0 ft. – 25 ft.

#### Expected Lifespan

5 years.

#### Manufactures Description

A dependable piece of law enforcement technology, the TASER X2 incorporates agencies' most requested features such as a backup shot, dual LASERs, and a Warning Arc to protect life in the field.

#### Purpose and Authorized Uses

To compel an individual to cease his/her actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application.

#### Fiscal Impact

\$1,170 per device initial cost; Replenish supply \$4,000 apx. every 5-10 years.

#### Legal and Procedural Rules

Policy manual § 300, 308, and 309.

#### Required Training

LAPD Academy; Department Certification; annual refresher; annual qualification.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

### **Item 43**

#### Type

TASER X26P CEW – Black.

#### Description

TASER X26P CEW – Black.

#### Quantity

140.

#### Capabilities

Operational range 0 ft. – 25 ft.

#### Expected Lifespan

5 years.

#### Manufactures Description

The TASER X26P is our smallest and most compact Smart Weapon, and its ergonomically designed handle is made with ease of performance in mind. The TASER X26P is larger where it matters—in the handle.

The TASER X26P is a single-shot device, with its compact size and familiar shape, the TASER X26P can be conveniently carried.

#### Purpose and Authorized Uses

To compel an individual to cease his/her actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application.

#### Fiscal Impact

\$1,000 per device initial cost; Replenish supply \$140,000 apx. every 10 years.

#### Legal and Procedural Rules

Policy manual § 300, 308, and 309.

#### Required Training

LAPD Academy; Department Certification; annual refresher; annual qualification.

#### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Division Commander or appropriate section supervision.

#### **Item 44**

##### Type

Ultimate Training Munitions M16/M4 Rifle Bolt Carrier Assembly.

##### Description

Black and Blue in color.

##### Quantity

13.

##### Capabilities

Can be inserted into M4 rifle to shoot man-marker rounds used in force on force training scenarios.

##### Expected Lifespan

10 years.

##### Manufactures Description

UTM's Rifle and Carbine conversions and conversion kits are designed and engineered for the upmost in safety, in-service reliability and maintainability. The conversions and kits are easy to install, typically a simple exchange of the manufacturer's Bolt and Carrier Assembly. UTM conversions adapt the host weapon to fire UTM ammunition with the feel and function of "live" ammunition. The UTM standard rifle bolt conversion will function in any right hand ejecting, direct impingement or gas piston M4/M16/AR-15® style weapon.

##### Purpose and Authorized Uses

To be used in training scenarios in force on force situations (i.e. active shooter response).

##### Fiscal Impact

\$5,200 initial cost per unit.

##### Legal and Procedural Rules

Policy manual § 208, 300, 308, 309, and 310.

##### Required Training

Urban Patrol Rifle certified; orientation course.

##### Compliance Mechanisms

Operational use under the review of the Professional Development and Training Commander or appropriate section supervision.

## Marine Operations Division

### **Item 45**

#### Type

Remotely Operated Vehicle (ROV).

#### Description

Green buoyancy unit w/Black and polymer frame - frame housing a processing unit, (6) thrusters, external lights, camera, working claw and sonar unit.

#### Quantity

1.

#### Capabilities

300m umbilical and depth rating - sonar range 300ft @ 20 degree swath.

#### Expected Lifespan

5 years.

#### Manufacturer's Description

The Teledyne SeaBotix vLBV300 is a mini vectored ROV capable of lateral motion with its vectored thruster configuration. Two vertical thrusters along with four powerful 100mm (4 in) horizontal thrusters, arranged in a vectored format, offer nearly equal horizontal thrust in all 360-degrees of flight. The vLBV carries a video camera and light mounted on a pan & tilt axis.

#### Purpose and Authorized Uses

The ROV is used for underwater investigations, critical infrastructure searches/protection, and SAR missions.

#### Fiscal Impact

\$225,000 initial cost with 2 year warranty; \$16,000 annual warranty/maintenance after 2 years.

#### Legal and Procedural Rules

Dive Team Standard Operating Procedures, FedOSHA, CalOSHA, and industry guideline/recommendations.

#### Required Training

Manufacturer Training; Industry Standards; refresher training.

#### Compliance Mechanisms

Operational use under the review of Marine Operations Division Command Officer or Dive Team supervision.

## **Item 46**

### Type

Unmanned Aerial System (UAS/Drone).

### Description

Unmanned flying quadcopters equipped with GPS, obstacle avoidance, and video/infrared camera systems controlled from the ground by a FAA Certified Pilot.

### Quantity

7.

### Capabilities

Birds-eye view of ground during day and night.

### Expected Lifespan

5 years.

### Manufacture's Description

Aids in incident response, rapid mapping, and scouting to facilitate informed actions while also ensuring maximal safety for involved individuals and bystanders.

### Purpose and Authorized Uses

To provide immediate aerial situational awareness during search and rescue operations, various officer safety situations, and port terminal overview.

### Fiscal Impact

\$80,000 initial cost; FAA License \$1,000 per 8 current pilots = \$8,000, every 2 years for license renewal.

### Legal and Procedural Rules

FAA Part 107 Rules; Marine Operations Division Standard Operating Procedures.

### Required Training

FAA certified UAS class/test/license; monthly refresher.

### Compliance Mechanisms

Operational use under the review of the Marine Operations Division Command Staff or appropriate section supervision, and the Chief of Police.

## **Item 47**

### Type

Klein Side Scan Sonar (3900, 4900, 5000, 5000V2) & Kongsberg Mesotech Sonar.

### Description

Unmanned flying quadcopters equipped with GPS, obstacle avoidance, and video/infrared camera systems controlled from the ground by a FAA Certified Pilot.

### Quantity

5.

### Capabilities

Sound navigation and ranging from a moving device and a fixed/positional device.

### Expected Lifespan

5 - 10 years.

### Manufacturer's Description

The Klein System is a versatile Side Scan Sonar that can be used for many different survey, search and recovery applications. The high fidelity, high-definition imaging abilities, and the portability of the system make it an ideal tool for search and recovery (SAR) missions while its rugged construction, selectable frequencies and 300m operational depth rating provide superb capabilities for the coastal survey and security communities. The Kongsberg Mesotech Sonar is a multi-beam system with both imaging and profiling capabilities. This provides high-resolution and easy to interpret images by combining the rapid refresh rate of a conventional multi-beam sonar with image quality comparable to a single-beam sonar.

### Purpose and Authorized Uses

Maintain the free flow of commerce, maritime underwater domain awareness, underwater investigations, and SAR missions.

### Fiscal Impact

Klein 5500 - \$653,198 initial cost.

Kongsberg Mesotech - \$53,306.36 initial cost.

3900 Sonar - \$107,121.11 initial cost.

5000V2 multi beam sonar - \$349,666.39 initial cost; \$8,654 annually for semi-annual training.

4900 side scan - \$127,260.83 initial costs.

Apx. \$3,000 annually for software updates.

### Legal and Procedural Rules

Manufacturer guidelines; Marine Operations Division and Dive Team Standard Operating Procedures.

### Required Training

Manufacturer Trainer; Sonar Experts; Industry Guidelines; FedOSHA; agency-authored orientation course; annual refresher.

## Compliance Mechanisms

Industry Guidelines, FedOSHA, and operational use under the review of the appropriate team supervisor.