



**Kern County Sheriff's Office  
Policies and Procedures**

<b>TITLE: Military Equipment Use</b>			<b>NO: J-4000</b>
<b>APPROVED: Donny Youngblood, Sheriff-Coroner</b>			
<b>EFFECTIVE:</b> February 28, 2022	<b>REVIEWED:</b> 04/03/2025	<b>REVISED:</b> 04/03/2025	<b>UPDATED:</b> 04/03/2025

**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 provided to fulfill the obligations set forth 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.

**POLICY**

The Kern County Sheriff’s Office (KCSO) shall have 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.

The KCSO will publish the military equipment use policy on the agency’s internet website and provide a copy of the military equipment use policy to the Governor or the Governor’s designee.

**PROCEDURE**

**A. DEFINITIONS**

1. Governing Body – The Kern County Board of Supervisors.
2. Military Equipment – Any of a wide variety of items as defined by California Government Code section 7070, subsections (c)(1) through (c)(16)
3. Deployment and Use – The deployment or use of military equipment shall refer to the use of the military equipment for an authorized purpose. The handling of a firearm or a less lethal device is not considered a deployment. These primer-based items must be fired during an incident to be considered a deployment. Training with any of the items listed in Government Code section 7070(c)(1) through (c)(16) is excluded and is not considered a “deployment” or “use” pursuant to Government Code section 7072.

**B. GENERAL**

1. The KCSO shall obtain annual approval of the Board of Supervisors 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 Board of Supervisors.
  - e. Using any new or existing military equipment for a purpose, in a manner, or by a person not previously approved by the Board of Supervisors pursuant to this policy.
  - 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.
2. In seeking the approval of the Board of Supervisors, the KCSO shall submit a proposed military use policy, or subsequent amendments, to the Kern County Board of Supervisors and the public via the law enforcement agency's internet website at least 30 days prior to any public hearing concerning the military equipment at issue.
  3. The KCSO shall seek Board of Supervisor 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.

The KCSO has the authority to apply for funding prior to obtaining Board of Supervisors approval in the case of exigent circumstances. The KCSO shall obtain Board approval as soon as possible.

4. When stocks of military equipment have reached significantly low levels or have been exhausted, the KCSO may order the necessary stock in a calendar year without Board of Supervisors approval to maintain essential availability for the Department's needs.

Military Equipment items included in the KCSO annual budget and approved by the Board of Supervisors meet sufficient purchase approval requirements. All other military equipment items not identified in the KCSO annual budget require Board of Supervisors approval prior to the item(s) being purchased. In the event military equipment items are purchased prior to obtaining Board approval, the KCSO shall seek approval via a retroactive Board letter as soon as possible after the purchase is made.

**C. MILITARY EQUIPMENT USE CONSIDERATIONS**

1. The military equipment acquired and authorized by the KCSO is:
  - a. Necessary because there is no reasonable alternative that can achieve the same objective of officer and civilian safety.
  - b. Reasonably cost effective compared to available alternatives that can achieve the same objective of officer and civilian safety.
2. Military equipment shall only be used by a KCSO employee only after applicable training, including any course required by the Commission on Peace Officer Standards and Training, has been completed, unless exigent circumstances arise.

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**D. MILITARY EQUIPMENT REPORTING CONSIDERATIONS**

The KCSO shall submit an annual military equipment report to the Kern County Board of Supervisors that addresses each type of military equipment possessed by the KCSO.

1. The KCSO 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, and 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 KCSO 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 KCSO shall hold at least one well-publicized and conveniently located community engagement meeting, at which the general public may discuss and ask questions, regarding the annual military equipment report and KCSO’s funding, acquisition, or use of military equipment.

**E. CATALOGING OF MILITARY USE EQUIPMENT**

1. All military use equipment kept and maintained by the KCSO shall be cataloged in a way which addresses each of the following requirements:
  - a. The manufacturers description, quantity, capabilities, and purchase cost of the equipment.
  - b. The purpose of the equipment.
  - c. The authorized uses for which the KCSO proposes to use the equipment.
  - d. The expected lifespan of the equipment.
  - e. The fiscal impact of the equipment, both initially and for the on-going maintenance.
  - f. The training requirements for the particular equipment.
  - g. The legal and procedural rules that govern each authorized use.

**F. COMPLIANCE**

1. The Compliance and Standards Division (CSD) will ensure that all KCSO members comply with this policy. CSD will prepare an annual report. 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 for investigation. All instances of non-compliance will be reported to the Board of Supervisors via the annual military equipment report.
2. Any member of the public can register a question or concern regarding military use equipment by contacting the Kern County Sheriff’s Office via email at [sheriff@kernsheriff.org](mailto:sheriff@kernsheriff.org). A response to the question or concern shall be completed by the KCSO in a timely manner.

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3. Any member of the public can submit a complaint to any member of the KCSO and in any form (i.e. in person, telephone, email, etc.). Once the complaint is received, it should be routed to the Internal Affairs Unit for further investigation.

G. EQUIPMENT USE

1. Each Division Commander, or designee, will ensure that each deployment or use of a piece of military equipment covered by this policy will be documented in a report. Each deployment and use will be summarized in an email with any applicable case number(s), which will be forwarded to the Compliance and Standards Division at [PSU@kernsheriff.org](mailto:PSU@kernsheriff.org) with a subject heading of “AB 481 Deployment.”
2. Each such report and email will be completed and submitted prior to the end of the report writer’s shift, unless specifically authorized by a supervisor to complete the report at a later time.
3. All confirmed instances of non-compliance will be reported to the Board of Supervisors via the annual military equipment report.

H. MUTUAL AID

1. The Kern County Sheriff’s Office acknowledges that all critical incidents are unique, and incidents may arise which overwhelm local resources. These incidents may require assistance from outside agencies. Nothing in this policy shall restrict the Kern County Sheriff’s Office from calling on the assistance of allied agency partners, whether they be federal, state, county, or local agencies, and their resources being used during critical incidents. These agencies should have their own Military Equipment Use policies which have been approved by their own governing bodies, with which the agencies are to comply.

I. MILITARY EQUIPMENT INVENTORY

1. Each Division Commander, or designee, where military equipment is assigned is responsible for ensuring an accurate inventory of each make, model, and quantity of military equipment is maintained for each work location and/or unit under their command.
2. See Military Equipment Use Attachment A of this policy for the equipment inventory.

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## MILITARY EQUIPMENT USE ATTACHMENT A

### A. MILITARY USE EQUIPMENT

1. **Unmanned Aircraft System (UAS):** An unmanned aircraft along with the associated equipment necessary to control it remotely.

a. Description, quantity, capabilities, and purchase cost of current UAS:

i. DJI PHANTOM 4 PRO, cost: \$1,500 each, quantity: 2. UAS that weighs approximately 1388 grams and is able to take still photographs and record video with approximately 30 minutes of flight time.

ii. DJI MAVIC 2 ZOOM, cost: \$2,000 each, quantity: 1. UAS with that weighs approximately 905 grams and is able to take still photographs and record video with approximately 30 minutes of flight time.

iii. DJI MAVIC 2 ENTERPRISE DUALS, cost: \$3,000 each, quantity: 3. UAS that has a color and infrared camera as well as audible speaker and light. Capable of video recording and weighs 899 grams, approximately 30 minutes of flight time.

iv. DJI MAVIC 3T ENTERPRISE, cost: \$5,800 each, quantity: 4. UAS that has a color and infrared camera as well as audible speaker and light. Capable of video recording and weighs 920 grams, approximately 45 minutes of flight time.

v. DJI MINI 2, cost: \$500 each, quantity: 2. UAS that has a color camera. Capable of video recording and weighs 242 grams, approximately 30 minutes of flight time.

vi. DJI MINI 3 PRO, cost: \$750 each, quantity: 2. UAS that has a color camera. Capable of video recording and weighs 259 grams, approximately 30 minutes of flight time.

vii. DJI MAVIC 3 PRO, cost: \$2,200 each, quantity: 1. UAS that has a color camera. Capable of video recording and weighs 958 grams, approximately 45 minutes of flight time.

viii. DJI AVATA 2, cost: \$1500 each, quantity: 4. UAS that has a color camera capable of video recording and weighs 377 grams, approximately 23 minutes of flight time.

b. Purpose

To be deployed when its view would assist officers or incident commanders with the following situations, which include but are not limited to:

i. major collision investigations.

ii. search for missing persons.

iii. natural disaster management.

iv. crime scene photography.

v. SWAT, tactical or other public safety and life preservation missions.

vi. In response to specific requests from local, state, or federal fire authorities for fire response and/or prevention.

c. Authorized Use

Only assigned operators who have completed the required training shall be permitted to operate any UAS's during approved missions.

d. Expected Life Span

All UAS equipment, 3-5 years.

e. Fiscal Impact

Annual maintenance and battery replacement cost is approximately \$2,500.

f. Training

All Department UAS operators are licensed by the Federal Aviation Administration for UAS operation. In addition, each operator must attend department training and ongoing quarterly training.

g. Legal and Procedural Rules

It is the policy of the Kern County Sheriff's Office to utilize UAS only for official law enforcement purposes, and in a manner that respects the privacy of our community, pursuant to State and Federal law.

**2. Robots:** Unmanned machine operating on the ground utilized to enhance the safety to the community and officers.

a. Description, quantity, capabilities, and purchase cost

- i. REMOTEC ANDROS F6-A, cost: \$233,000 each, quantity: 1. The Remotec ANDROS F6-A is a heavy-duty robot. Its stair climbing ability, an arm capable of lifting 65lbs. The F6-A also offers multiple communications options, a chassis and manipulator that allow for accessories and tool combinations, and quick-release pneumatic wheels for rapid width reduction.
- ii. REMOTEC ANDROS HD-1, cost: \$317,000 each, quantity: 1. The Remotec ANDROS HD-1 is a heavy-duty robot. Its stair climbing ability, an arm capable of dragging 70 kilograms. The HD-1 also offers multiple communications options and a chassis and manipulator that allow for accessories and tool combinations.
- iii. AVATAR II Tactical Robot, cost: \$23,000 each, quantity: 2. An AVATAR II can be hand carried or transported inside a rucksack, and both can be remotely operated from a hundred meters away, providing protection and safety to their operators as an observation platform.
- iv. ROBOTEX AVATAR MICRO ROBOT, #2010, cost \$12,300 each, quantity: 2. The RoboteX Avatar Micro Robot enhances the capabilities of tactical teams by allowing them to quickly and safely inspect dangerous situations. The robot is able to navigate various types of terrains, offers video capabilities, and two-way audio communication.

b. Purpose

To be used to remotely to gain visual/audio data, deliver CNT phone, open doors, disrupt packages, and clear buildings.

c. Authorized Use

Only assigned operators who have completed the required training shall be permitted to operate the robots identified at sections 2(a)(i) through (v). Use is established by the Bomb Squad Commander and or Incident Commander.

d. Expected Life Span All robots, 8-10 years.

e. Fiscal Impact

Annual maintenance and battery replacement cost is approximately \$5,000.

f. Training

All robot operators must complete the FBI's 6-week hazardous device school prior to operating the robots identified at sections 2(a)(i) through (v).

g. Legal and Procedural Rules

It is the policy of the Kern County Sheriff's Office to utilize robots only for official law enforcement purposes, and in a manner that respects the privacy of our community, pursuant to State and Federal law.

**3. Armored Vehicles:** Commercially produced wheeled armored personnel vehicle utilized for law enforcement purposes.

a. Description, quantity, capabilities, and purchase cost

- i. LENCO BEARCAT, G2, cost: \$218,586.58, quantity: 1. The Lenco Bearcat, G2, is an armored vehicle that seats 10-12 personnel with open floor plan that allows for rescue of personnel or community members. It can stop various projectiles, which provides greater safety to the public and officers beyond the protection level of shield and personal body armor.
- ii. LENCO BEARCAT, G3, cost: \$335,666.72 quantity: 1. The Lenco Bearcat, G3, is

an armored vehicle that seats 10-12 personnel with open floor plan that allows for rescue of personnel or community members. The Bearcat G3 has increased ground clearance and a robust suspension which allows for an emergency response to almost any situation. It can stop various projectiles, which provides greater safety to the public and officers beyond the protection level of shield and personal body armor.

- b. Purpose  
To be used in response to critical incidents to enhance officer and community safety, improve scene containment and stabilization, and assist in resolving critical incidents.
- c. Authorized Use  
The use of armored vehicles shall only be authorized by a SWAT commander, based on the specific circumstances of a given critical incident. Armored vehicles shall be used only by officers trained in their deployment and in a manner consistent with Department policy and training.
- d. Lifespan  
Lenco Bearcat models G2 and G3, 20+ years.
- e. Fiscal Impact  
Annual maintenance cost for both vehicles is approximately \$10,000.
- f. Training  
All driver/operators shall attend formalized instruction and be trained in vehicle operations and practical driving instruction.
- g. Legal and Procedural Rules  
It is the policy of the Kern County Sheriff's Office to utilize armored vehicles only for official law enforcement purposes, and pursuant to State and Federal law.

**4. NIJ Level IV Armored Caterpillar (CAT) Multi-Terrain Loader (The ROOK):** The ROOK is a custom "armored critical incident vehicle" built on the chassis of a CAT Bulldozer, manufactured by Ring Power. The ROOK is built to increase job safety, versatility, and mission specific response. The ROOK is equipped with powerful mission specific attachments. The ROOK is capable of being used in tight areas both inside and outside, where traditional armored vehicles may not be able to enter.

- a. Description, quantity, capabilities, and purchase cost  
ROOK- Modified CAT compact Track Loader chassis, cost: \$430,000, quantity: 1. The ROOK can be utilized by authorized SWAT personnel to identify, discover and locate threats or hazards, to include explosives and ballistic threats. The ROOK may be used to stabilize critical infrastructure and functions to minimize health and safety threats during a terrorist attack. During a terrorist attack, the ROOK will allow for law enforcement protected response.
- b. Purpose  
To provide a capability for defensive ballistic protection in indoor and outdoor environments, rescue platforms for elevated structure rescue, and rough terrain environments where certain equipment would be limited.
- c. Authorized Use  
The ROOK shall be used by SWAT team members in a manner consistent with Department policy and training. Furthermore, only SWAT team members who have completed the appropriate training, will operate the ROOK.
- d. Lifespan  
The ROOK, 25 years
- e. Fiscal Impact  
Annual maintenance cost is approximately \$8,000.00.
- f. Training

All driver/operators shall attend formalized instruction and be trained in vehicle operations and practical driving instruction.

g. Legal and Procedural Rights

It is the policy of the Kern County Sheriff's Office to utilize armored vehicles only for official law enforcement purposes, and pursuant to State and Federal law.

5. **Command-and-Control Vehicles:** Vehicles used to transport specialized equipment and provide a mobile office, shelter, and access to Sheriff's Office computer systems on extended events.

a. Description, quantity, capabilities, and purchase cost

- i. BOMB SQUAD RESPONSE VEHICLE, cost: \$385,000, quantity: 1. The Bomb Squad Response Vehicle is utilized on all Bomb related callouts and contains all necessary equipment required for the safe removal and disposal of explosive materials. This vehicle also provides access to Sheriff's Office computer systems, and can be utilized for other critical incidents, preplanned large events, searching for missing persons, natural disasters, and community events.
- ii. CRISIS NEGOTIATION TEAM (CNT) VEHICLE, cost \$325,000, quantity: 1. The Crisis Negotiation Team Vehicle is utilized on most SWAT/CNT incidents and contains CNT equipment to assist in resolving critical incidents. This vehicle can be used as a mobile office that provides shelter and access to Sheriff's Office computer systems.
- iii. SPECIAL WEAPONS and TACTICS (SWAT) EQUIPMENT VEHICLE, cost \$263,000, quantity 1. The SWAT Equipment Vehicle is utilized on most SWAT related incidents and contains equipment to assist in resolving critical incidents. This vehicle can also be used to provide shelter during critical incidents.
- iv. COMMAND POST TRAILER, cost \$137,417.00 quantity: 1. The Command Team Vehicle is utilized for most critical incidents and contains equipment to assist in resolving critical incidents. This vehicle can be used as a mobile office that provides shelter and access to Sheriff's Office computer systems

b. Purpose

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

c. Authorized Use

Command-and-Control vehicles shall be used by officers trained in their deployment and in a manner consistent with Department policy and training. Furthermore, only officers who have completed the required California Department of Motor Vehicle endorsements shall operate these vehicles.

d. Lifespan

All Command-and-Control vehicles have a 15+ year lifespan on chassis and vehicle structure and have re-mountable aluminum bodies. Upgrades are needed every several years to maintain IT systems.

e. Fiscal Impact

Annual maintenance cost is approximately \$3,000.

f. Training

The driver/operator shall receive training in the safe handling of the vehicle on a closed training course. Once the operator has shown competence in vehicle handling, the driver/operator will drive the vehicle throughout the city with an experienced driver.

Driver/operators shall also undergo California Department of Motor Vehicles commercial vehicle testing.

g. Legal and Procedural Rules

It is the policy of the Kern County Sheriff's Office to use all Command-and-Control vehicles only for official law enforcement purposes, and in accordance with California State law regarding the operation of motor vehicles.

6. **40 MM Launchers and Rounds:** 40MM Launchers are utilized by department personnel as a



less lethal tool to launch impact rounds and specialty munitions.

a. Description, quantity, capabilities, and purchase cost

- i. DEFENSE TECHNOLOGY, LMT 40MM SINGLE SHOT LAUNCHER, #1425, cost: \$1000, quantity: 80. The 40MM Single Launcher is a tactical single shot launcher that features an expandable ROGERS Super Stoc and an adjustable Integrated Front Grip (IFG) with light rail. It will fire standard 40mm less lethal ammunition, up to 4.8 inches in cartridge length. It will launch a 40MM less lethal round up to 131 feet and is authorized to be used by trained sworn personnel.
- ii. PENN ARMS, 40MM PUMP MULTI-LAUNCHER 5" CYLINDER, FIXED STOCK w/ COMBO RAIL, cost \$3,300. quantity: 7. The Penn Arms 40mm pump multi-launcher 40MM spring-advance magazine drum launcher with a six-shot capacity and a rifled barrel and 5" cylinder.
- iii. DEFENSE TECHNOLOGY, 40MM EXACT IMPACT SPONGE, #6325, cost: \$22, quantity: 775. A less lethal 40mm lightweight plastic and foam projectile fired from a single or multi-round purpose built 40mm grenade launcher with a rifled barrel at 325 FPS. The 30-gram foam projectile delivers 120 ft/lbs. of energy on impact. The 40mm Exact Impact Sponge Round provides accurate and effective performance when fired from the approved distance of not less than five (5) feet and as far as 131 feet from the target.
- iv. DEFENSE TECHNOLOGY, 40MM DIRECT IMPACT CS, #6322, cost: \$22, quantity: 0. A less lethal 40MM lightweight plastic and crushable foam projectile fired from a single or multi-round purpose-built 40mm grenade launcher with a rifled barrel at 295 FPS. The 39-gram crushable foam projectile delivers 120 ft/lbs of energy upon impact in addition to dispersion of 5 grams of CS irritant. The 40mm Direct Impact CS Round provides accurate and effective performance when fired from the approved distance of not less than five (5) feet and as far as 120 feet from the target.
- v. DEFENSE TECHNOLOGY, 40MM DIRECT IMPACT OC, #6320, cost: \$22, quantity: 72 . A less lethal 40MM lightweight plastic and crushable foam projectile fired from a single or multi-round purpose-built 40mm grenade launcher with a rifled barrel at 295 FPS. The 39-gram crushable foam projectile delivers 120 ft/lbs of energy upon impact in addition to dispersion of 5 grams of OC irritant. The 40mm Direct Impact OC Round provides accurate and effective performance when fired from the approved distance of not less than five (5) feet and as far as 120 feet from the target.
- vi. DEFENSE TECHNOLOGY, FERRETT 40MM LIQUID BARRICADE CS PENETRATOR ROUND, #2262, cost: \$23, quantity: 68. A less lethal 40MM round used 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 CS payload inside of a structure or vehicle. In a tactical deployment situation, the 40mm Ferret 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.
- vii. DEFENSE TECHNOLOGY, FERRETT 40MM POWDER BARRICADE OC PENETRATOR ROUND, #2260, cost: \$23, quantity: 70. A less lethal 40MM round used 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 OC payload inside of a structure or vehicle. In a tactical deployment situation, the 40mm Ferret 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.
- viii. DEFENSE TECHNOLOGY, FERRET 40MM POWDER BARRICADE ROUND, INERT, #2293, cost \$23, quantity: 0. The Ferret 40 mm Barricade Penetrating Round is filled with an Inert powder. It is a frangible projectile that is spin stabilized utilizing barrel rifling. It is non-burning and used as a training round for our 40mm CN, CS or OC Powder Ferret rounds. Primarily used by tactical teams, it is designed to penetrate barriers, such as windows, hollow core doors, wallboard and thin plywood. Upon impact the nose ruptures and instantaneously delivers the inert powder.
  - ix. DEFENSE TECHNOLOGY, 40MM ROUND MUZZLE BLAST with CS, #6042, cost: \$28, quantity: 10. The 40mm Muzzle Blast CS Round is widely used as a crowd management tool for the immediate and close deployment of chemical agent. It can also be employed in tactical operations such as barricaded subjects for area denial, area contamination, and a means of contaminating crawl spaces and attics. As a pain compliance round it is an excellent device for deploying chemical-laden CS powder at close ranges for indoor or outdoor operations. It has a maximum effective range of 30 feet / 9.1 meters.
  - x. DEFENSE TECHNOLOGY, 37/40MM .32 CALIBER RUBBER BALLS ROUND, #6296, cost: \$25, quantity: 0. The 37/40mm .32 caliber rubber balls round is widely used as a crowd management tool. It contains approximately 130 .32 caliber rubber balls. This round is designed for departments that utilize both 37mm and 40mm launchers and is suitable for administering a means of pain compliance over close to medium ranges of fire and for routing crowds or groups that are mildly resistive.
  - xi. DEFENSE TECHNOLOGY, 40MM MULTIPLE WOODEN BATON ROUND, #6098, cost: \$25, quantity: 81. The 40mm Multiple Wooden Baton Round is widely used as a crowd management tool by Law Enforcement and Corrections. This round contains three wooden projectiles and uses smokeless powder as the propellant. It is suitable for administering a means of pain compliance over a greater distance than most of its counterparts and is commonly used for routing crowds or groups that are mildly resistive.
  - xii. DEFENSE TECHNOLOGY, STINGER 40MM 60-CALIBER RUBBER BALLS ROUND, #6097, cost \$24, quantity: 0. The Stinger 40 mm 60-Caliber Round is most widely used as a crowd management tool by Law Enforcement and Corrections. The round contains approximately eighteen 60-Caliber rubber balls. It utilizes smokeless powder as the propellant and has more consistent velocities and tighter patterns compared to its 37 mm counterpart. It is suitable for administering a means of pain compliance over a greater distance than its 32-Caliber Stinger counterpart. Used for routing crowds or groups that are mildly resistive.

b. Purpose

To limit the escalation of conflict where employment of lethal force is prohibited or undesirable.

c. Authorized Use

Situations for use of the less lethal weapon systems may include, but are not limited to:

- i. Self-destructive, dangerous and/or combative individuals.
- ii. Riot/crowd control and civil unrest incidents.
- iii. Circumstances where a tactical advantage can be obtained.
- iv. Potentially vicious animals.
- v. SWAT/SERT, tactical or other public safety and life preservation missions.
- vi. Training exercises or approved demonstrations.

d. Training

Sworn members utilizing 40MM less lethal chemical agents or impact rounds must be trained in their use by POST certified less lethal and chemical agent instructors.

e. Lifespan

Defense Technology LMT 40mm Single Shot Launcher #1425- 25 years.

Penn Arms 40mm Pump Multi-launcher- 15 years.

Model 6325 40mm Exact Impact Sponge- 5 years.

Model 6322 40 mm Direct Impact CS- 5 years.

Model 6320 40mm Direct Impact OC- 5 years.

Model 2262 40mm Liquid Barricade CS Penetrator round- 5 years.

Model 2260 40mm Powder Barricade OC Penetrator round- 5 years

Model 6042 40mm Round Muzzle Blast, CS- 5 years.

Model 6296 37/40mm .32 Caliber Rubber Balls Round- 5 years.

Model 6098 40mm Multiple Wooden Baton Round- 5 years.

Model 2293 40mm Powder Barricade Round, Inert- 5 years.

Model 6097 40mm Stinger 60 cal. Rubber Balls round- 5 years.

f. Fiscal Impact

Annual maintenance is approximately \$50 for each launcher.

g. Legal and Procedural Rules

It is the policy of the Kern County Sheriff's Office to utilize the 40mm launchers and munitions only for official law enforcement purposes, and pursuant to State and Federal law, including those regarding the use of force.

**7. Less Lethal Launchers and Munitions:** The FN303 is utilized by trained department personnel as a less lethal tool to launch a variety of impact rounds.

a. Description, quantity, capabilities, and purchase cost

i. FN 303 LAUNCHER, cost: \$900, quantity: 48. The FN 303 Launcher is a shoulder fired less lethal launcher that is capable of firing a variety of projectiles including impact, paint, PAVA/OC powder, and training rounds. The FN 303 is equipped with a magazine that holds 15 projectiles and uses a compressed air-power system to launch fin-stabilized .68 caliber projectiles at point-specific targets up to 50 meters (164 feet). The range of the weapon system helps to maintain space between officers and a suspect reducing the immediacy of the threat which is a principle of De-escalation.

ii. FN 303 INDELIBLE YELLOW PAINT PROJECTILE, cost: \$5 per projectile, quantity: 135. The FN 303 indelible yellow paint projectile is a .68 caliber, 8.5-gram projectile that utilizes a fin-stabilized polystyrene body and a non-toxic bismuth forward payload for a more accurate and greater effective range. The purpose of the indelible yellow paint round is to minimize the risks to all parties through pain compliance, temporary discomfort, and/or incapacitation of potentially violent or dangerous subjects. This projectile is also used for marking suspects and objects with an indelible yellow colorant to assist in identifying, arresting, or questioning subjects at a later time. The effective range for this round is 50 meters (164 feet) with a maximum range of 100 meters (328 feet). FN303 projectiles are very accurate, however, effectiveness depends on many variables, such as distance, clothing, stature, and the point where the projectile impacts.

iii. FN 303 PAVA/OC POWDER PROJECTILE, cost \$5 per projectile, quantity: 1850. The FN 303 PAVA/OC powder projectile is a .68 caliber, 8.5-gram projectile that utilizes a fin-stabilized polystyrene body and a non-toxic bismuth forward payload for a more accurate and greater effective range. The purpose of the PAVA/OC round is to minimize the risks to all parties through pain compliance, temporary discomfort, and/or incapacitation of potentially violent or dangerous subjects. This

- round also contains an irritant (OC) for individual suspects, point-specific targets or small-area denial. The active ingredient is 0.5% PAVA/OC in a powder form for ease of storage, deployment and clean-up. The effective range for this round is 50 meters (164 feet) with a maximum range of 100 meters (328 feet). FN303 projectiles are very accurate, however, effectiveness depends on many variables, such as distance, clothing, stature, and the point where the projectile impacts.
- iv. FN 303 CLEAR IMPACT PROJECTILE, cost \$5 per projectile, quantity: 1305. The FN 303 clear impact projectile is a .68 caliber, 8.5-gram projectile that utilizes a fin-stabilized polystyrene body and a non-toxic bismuth forward payload for a more accurate and greater effective range. The purpose of the clear impact round is to minimize the risks to all parties through pain compliance, temporary discomfort, and/or incapacitation of potentially violent or dangerous subjects. The effective range for this round is 50 meters (164 feet) with a maximum range of 100 meters (328 feet). FN303 projectiles are very accurate, however, effectiveness depends on many variables, such as distance, clothing, stature, and the point where the projectile impacts.
  - v. FTC PEPPERBALL LAUNCHER, cost \$600, quantity: 25. The FTC PepperBall launcher is a compressed-air powered launcher designed to fire non-lethal PepperBall projectiles. The FTS PepperBall Launcher is a .68 caliber, semi-automatic launcher with a firing rate of 10-12 RPS. The maximum range of this less lethal launcher is 150 feet and helps to maintain space between officers and a suspect, reducing the immediacy of the threat which is a principle of de-escalation.
  - vi. PEPPERBALL CUSTOM CARBINE, cost \$499, quantity: 11. The PepperBall custom carbine is a compressed-air power launcher designed to fire non-lethal PepperBall projectiles. The PepperBall custom carbine is a .68 caliber, semi-automatic launcher with a 10-12 foot pounds of kinetic energy. The maximum range of this less lethal launcher is 150 feet and helps maintain space between officers and a suspect, reducing the immediacy of the threat which is principle of de-escalation.
  - vii. PEPPERBALL INERT PROJECTILE, cost \$1 per projectile, quantity: 1902. PepperBall inert projectile contains a harmless, scented powder that is best suited for practice or direct impact when chemical exposure is not desired. Discharged from a PepperBall Launcher, this projectile has a velocity of 280-320 FPS.
  - viii. PEPPERBALL LIVE PROJECTILE, cost \$2 per projectile, quantity: 7,850. The basic PepperBall projectile contains 2% PAVA pepper powder, and is designed for direct impact and area saturation, especially in confined, interior spaces. Discharged from a PepperBall Launcher, the projectile has a velocity of 280-350 FPS. The projectile has a direct impact of 60ft and an area of saturation of 150+ft.
  - ix. PEPPERBALL LIVE-X PROJECTILE, cost \$3 per projectile, quantity: 300. The Live-X PepperBall projectile contains a concentrated amount of PAVA pepper powder. One round of Live-X contains the equivalent PAVA chemical agent in 10 regular PepperBall Live rounds. Live-X rounds contain 5% PAVA powder and is designed for direct impact and area saturation. Discharged from a PepperBall Launcher, the projectile has a direct impact of 60ft and an area saturation of 150+ft.

b. Purpose

To limit the escalation of conflict where employment of lethal force is prohibited or undesirable. Situations for use of the less lethal weapon systems may include, but are not limited to:

- i. Self-destructive, dangerous and/or combative individuals.
- ii. Riot/crowd control and civil unrest incidents.
- iii. Circumstances where a tactical advantage can be obtained.

- iv. Potentially vicious animals.
  - v. SWAT/SERT, tactical or other public safety and life preservation missions.
  - vi. Training exercises or approved demonstrations.
- c. Authorized Use  
Only those officers who have been trained in the use of FN 303 and PepperBall Launchers are authorized to use the FN 303 and PepperBall Launchers.
- d. Training  
Sworn members utilizing FN 303 and PepperBall launchers and projectiles are trained in their use by POST certified less lethal and chemical agent instructors.
- e. Lifespan  
FN 303 Launcher- 20 years.  
FN 303 Indelible Yellow Paint Projectile- 3 years.  
FN 303 PAVA/OC Powder Projectile- 3 years.  
FN 303 Clear Impact Projectile- 3 years.  
FTC PepperBall Launcher- 20 years.  
PepperBall Custom Carbine- 20 years.  
PepperBall Inert Projectiles- 3 years.  
PepperBall Live Projectiles- 3 years.  
PepperBall Live-X Projectiles- 3 years.
- f. Fiscal Impact  
Annual maintenance is approximately \$50 for each FN 303 and PepperBall Launcher.
- g. Legal and Procedural Rules  
It is the policy of the Kern County Sheriff's Office to utilize the FN 303 and PepperBall less lethal launchers only for official law enforcement purposes, and pursuant to State and Federal law, including those regarding the use of force.
- 8. Grenade Launching Cups:** Cups that attach to 12-gauge shotguns which allow officers to launch canisters of chemical agents or smoke.
- a. Description, quantity, capabilities, and purchase cost
- i. COMBINED SYSTEMS CTS LC5 LAUNCHING CUP, cost: \$300, quantity: 8. The LC5 Launching Cups are designed for the 5200 series grenades. The cups can be attached to virtually any 12-gauge shotgun, and the munition launched with the model 1210 Muzzle Bang 12-gauge launching cartridge.
  - ii. DEF-TEC NO. 33 12GA GRENADE LAUNCHING CUP, cost \$400, quantity: 8. The Def-Tec No. 33 12-gauge Grenade Launching Cup is designed for Defense Technology grenades. The cups can be attached to virtually any 12-gauge shotgun, and the munition launched with the model 1210 Muzzle Bang 12-gauge launching cartridge.
  - iii. DEFENSE TECHNOLOGY, 12-GAUGE TKO/LAUNCHING CUP FOR POCKET TACTICAL GRENADES, #1370, cost \$64, quantity: 1. The launching cup will project the Pocket Tactical Grenade beyond the normal throwing distance. This will extend the ability and safety of the officers involved. Removable shotgun fore end to ensure proper stand-off when using breaching rounds.
- b. Purpose  
To limit the escalation of conflict where employment of lethal force is prohibited or undesirable.
- c. Authorized Use  
Situations for use of the less lethal weapon systems may include, but are not limited to:
- i. Self-destructive, dangerous and/or combative individuals.
  - ii. Riot/crowd control and civil unrest incidents.
  - iii. Circumstances where a tactical advantage can be obtained.
  - iv. Potentially vicious animals.

- v. SWAT/SERT, tactical or other public safety and life preservation missions.
  - vi. Training exercises or approved demonstrations.
- d. Lifespan  
 Combined Systems LC5 Launching Cup- 25 years  
 Def-Tec No. 33 12ga Grenade Launching Cup- 25 years  
 Defense Technology 12ga TKO/Launching Cup for Pocket Tactical Grenades- 5 years.
- e. Fiscal Impact  
 No annual maintenance.
- f. Training  
 Officers utilizing the launching cups are trained in there use by POST certified chemical agent instructors.
- g. Legal and Procedural Rules  
 It is the policy of the Kern County Sheriff's Office to utilize the launching cups only for official law enforcement purposes, and pursuant to State and Federal law, including those regarding the use of force.
9. **Distraction Devices:** A distract device is ideal for distracting dangerous suspects during assaults, hostage rescue, room entry or other high-risk arrest situations.
- a. Description, quantity, capabilities, and purchase cost
- i. DEFENSE TECHNOLOGY LOW ROLL, RELOADABLE BODY DISTRACTION DEVICE, model #8933 cost: \$60, quantity: 31. A non-bursting, non-fragmenting reloadable distraction device that produces a thunderous bang with an intense bright light. Ideal for distracting dangerous suspects during assaults, hostage rescue, room entry or other high-risk arrest situations.
  - ii. DEFENSE TECHNOLOGY MULTI-PORT, RELOADABLE BODY DISTRACTION DEVICE, model #7000, cost \$50, quantity: 26. A non-bursting, non-fragmenting reloadable distraction device that produces a thunderous bang with an intense bright light. Ideal for distracting dangerous suspects during assaults, hostage rescue, room entry or other high-risk arrest situations.
  - iii. DEFENSE TECHNOLOGY DISTRACTION DEVICE 12-GRAM RELOAD, model #8901, cost \$34, quantity: 78. This Distraction Device Reload is utilized to reload both the Defense Technology low roll and multi-port reloadable distraction devices. The reload utilizes a standard military-style M201A1 type fuse and produces 175dB of output and produces 6-8 million candelas of light.
  - iv. ROYAL ARMS FBG-MK4 NFDD FLASH BANG TRAINER, cost \$350, quantity: 19. The FBG-MK4 is a Revolutionary Impact Detonated Flash Bang Training Device which creates 175dB, 4psi of overpressure and 500K CP. The FBG4 Flash Bang Trainer was designed to provide realistic training at a low cost per bang.
- b. Purpose  
 To produce atmospheric over-pressure and brilliant white light and, as a result, can cause short-term (6 - 8 seconds) physiological/psychological sensory deprivation to give officers a tactical advantage.
- c. Authorized Use  
 Diversionary Devices shall only be used:
- i. By officers who have been trained in their proper use.
  - ii. In hostage and barricaded subject situations.
  - iii. In high-risk warrant (search/arrest) services where there may be extreme hazards to officers.
  - iv. During other high-risk situations where their use would enhance officer safety.
  - v. SWAT/SERT, tactical or other public safety and life preservation missions.
  - vi. During training exercises.
- d. Lifespan

Defense Technology Low Roll, Reloadable Body Distraction Device- 5years.  
Defense Technology Multi-Port, Reloadable Body Distraction Device- 5 years.  
Defense Technology Distraction Device 12-Gram Reload- 5 years.  
Royal Arms FBG-MK4 NFDD Flash Bang Trainer- 5 years.

e. Fiscal Impact

No annual maintenance.

f. Training

Prior to use, officers must attend divisionary device training that is conducted by POST certified instructors.

g. Legal and Procedural Rules

It is the policy of the Kern County Sheriff's Office to utilize the launching cups and distraction devices only for official law enforcement purposes, and pursuant to State and Federal law, including those regarding the use of force.

**10. Rifles:** Guns that are fired from shoulder level, having a long spirally grooved barrel intended to make bullets spin and thereby have greater accuracy over a long distance.

a. Description, quantity, capabilities, and purchase cost

- i. COLT M-4 CARBINE, model #LE6933-EPR, cost \$1,085, quantity: 344. The Colt M-4 Carbine is a semi-auto rifle that fires an intermediate-power cartridge (5.56mm) which is more powerful than a standard pistol but less powerful than a standard rifle. It is a short, barreled rifle (11.5 inches) which allows a trained deputy better control inside of structures with greater accuracy than a handgun.
- ii. DANIEL DEFENSE 5.56mm CALIBER RIFLE, model #DDM4, cost \$2,000, quantity: 21. The Daniel Defense DDM4 is an AR15 style firearm and features M-LOK attachment technology. It is built around a Cold Hammer Forged, 10.3-inch barrel, and fires an intermediate-power cartridge (5.56mm). The short barrel allows a trained deputy better control inside of structures with greater accuracy than a handgun.
- iii. LWRC INTERNATIONAL 5.56mm CALIBER RIFLE, model #M6IC-PSD, cost \$2,300, quantity: 12. The LWRC rifle features a self-regulating short-stroke gas piston system with a NiCorr treated cold Hammer Forged compact 8.5-inch barrel. It fires an intermediate-power cartridge (5.56mm) that allows a trained deputy better control inside structures with greater accuracy than a handgun.
- iv. GA PRECISION GLADIUS .308 CALIBER RIFLE, cost \$4,200. Quantity: 7. The GA Precision Gladius is a bolt action rifle that is chambered in .308 Winchester and has an 18-inch Bartlein stainless 5R barrel. This rifle also comes with a Hawkins Precision M5 detachable magazine system that fits 5 or 10 round AICS magazines. This rifle is primarily used in an overwatch capacity to protect the community during large events and/or critical incidents.
- v. ACCURACY INTERNATIONAL .308 CALIBER RIFLE, model MK II, cost \$4,200, quantity: 1. The Accuracy International MK II is a bolt action rifle that is chambered in .308 Winchester and has an 18-inch barrel. The MK II accepts Accuracy International Chassis System 5 and 10 round magazines. This rifle is primarily used in an overwatch capacity to protect the community during large events and/or critical incidents.
- vi. REMINGTON 700 .308 CALIBER RIFLE, cost \$800, quantity: 3. The Remington 700 .308 caliber rifle is a bolt action rifle that is chambered in .308 Winchester and has a 20-inch barrel. This rifle has a removable magazine system and accepts 5 or 10 round magazines. This rifle is primarily used in an overwatch capacity to protect the community during large events and/or critical incidents.

b. Purpose

To be used as precision weapons to address a threat with more precision and/or greater distances than a handgun, if present and feasible.

c. Authorized Use

Only members that are POST certified are authorized to use a rifle.

d. Lifespan

Colt M4 Carbine- 15 years.

Daniel Defense DDM4 5.56mm rifle- 5 years.

LWRC International M6IC-PSD 5.56mm 10.5" rifle- 5 years.

GA Precision Gladius .308 rifle- 15 years.

Accuracy International MK II .308 rifle- 15 years.

Remington 700 .308 rifle- 15 years.

Colt AR15 5.56mm rifles- 15 years.

e. Fiscal Impact

Annual maintenance is approximately \$50 for each rifle.

f. Training

Prior to using a rifle, officers must be certified by POST instructors in the operation of the rifle. Additionally, all members that operate any rifle are required to pass a range qualification two times a year.

g. Legal and Procedural Rules

It is the policy of the Kern County Sheriff's Office to utilize rifles only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

**11. Chemical Agent and Smoke Canisters:** Canisters that contain chemical agents that are released when deployed.

a. Description, quantity, capabilities, and purchase cost

i. DEFENSE TECHNOLOGY, TRIPLE-CHASER SEPARATING CANISTER, CS, #1026, cost: \$34, quantity: 44. 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 canister can be hand thrown or launched from a fired delivery system. The canister is 6.5 inches by 2.7 inches and hold approximately 3.2 oz. of active agent payload. It has an approximate burn time of 20-30 seconds.

ii. DEFENSE TECHNOLOGY, FLAMELESS TRI-CHAMBER CS GRENADE, #1032, cost \$38, quantity: 49. The design of the Tri-Chamber Flameless CS Grenade allows the contents to burn within an internal can and disperse the agent safely with reduced risk of fire. The grenade is designed primarily for indoor tactical situations to detect and/or dislodge a barricaded subject. This grenade will deliver approximately .70 oz. of agent during its 20-25 seconds burn time. The Tri-Chamber Flameless Grenade can be used in crowd control as well as tactical deployment situations by Law Enforcement and Corrections but was designed with the barricade situation in mind. Its applications in tactical situations are primarily to detect and/or dislodge barricaded subjects. The purpose of the Tri-Chamber Flameless Grenade is to minimize the risks to all parties through pain compliance, temporary discomfort, and/or incapacitation of potentially violent or dangerous subjects. The Tri-Chamber Flameless Grenade provides the option of delivering a pyrotechnic chemical device indoors, maximizing the chemicals' effectiveness via heat and vaporization, while minimizing or negating the chance of fire to the structure. The Tri-Chamber Flameless Grenade is NOT to be launched utilizing a launching cup.

iii. DEFENSE TECHNOLOGY, SPEDE-HEAT CONTINUOUS DISCHARGE CHEMICAL GRENADE, CS, #2042, cost: \$46, quantity: 36. The Spede-Heat CS



Grenade produces a high volume, continuous burn, and expels its payload in approximately 20-40 seconds. The payload is discharged through four gas ports on top of the canister, three on the side, and one on the bottom. This launchable grenade 6.12 inches by 2.62 inches and holds approximately 2.9 oz. of active agent.

- iv. DEFENSE TECHNOLOGY, OC/CS AEROSOL GRENADE, #1050, cost: \$59, quantity: 0. The OC Flameless Expulsion Grenade is designed for indoor use. This grenade contains no CFC's, is not a fire hazard and requires minimal decontamination by comparison to smoke, powders, or liquids. The Aerosol Grenade is most commonly used in tactical situations by Law Enforcement and Corrections and was designed with indoor operations in mind when a non-fire-producing delivery system is desired. It is most effective when used in confined areas and close to the target area. Used to minimize the risks to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous subjects. The Aerosol Grenade is ideal for cell extractions or barricade situations where the use of pyrotechnic, powder, or liquid devices is not practical or desired. The OC and CS combination provide sufficient effects in confined areas of up to 1,500 square feet. The Aerosol Grenade is not recommended for outdoor use.
- v. DEFENSE TECHNOLOGY, STINGER RUBBER BALL GRENADE, OC, #1089, cost \$52, quantity: 30. The Stinger OC Grenade is a maximum effect device that delivers four stimuli for psychological and physiological effects: rubber pellets, light, sound, and OC. The Stinger Grenade is most widely used as a crowd management tool by Law Enforcement and Corrections. The Stinger Grenade has an initial 1.5 second delay that initiates fuse assembly separation, followed by another .5 second delay before the blast which is sufficient to project the rubber balls and chemical agent in a 50-foot radius.
- vi. DEFENSE TECHNOLOGY, STINGER CS RUBBER BALL GRENADE, #1088, cost \$54, quantity: 56. The Stinger CS Rubber Ball Grenade is a maximum effect device that delivers four stimuli for psychological and physiological effects: rubber pellets, light, sound, and CS. The Stinger Grenade is most widely used as a crowd management tool by Law Enforcement and Corrections. The Stinger Grenade has an initial 1.5 second delay that initiates fuse assembly separation, followed by another .5 second delay before the blast which is sufficient to project the rubber balls and chemical agent in a 50-foot radius.
- vii. DEFENSE TECHNOLOGY, HAN-BALL GRENADE, CS, #1092, cost \$39, quantity: 28. The Han-Ball™ CS Grenade is an outdoor use grenade expelling its payload in approximately 15-20 seconds. The rubber ball round has an overall size of 4.8 in. tall, including the fuze head, and 3.1 in. diameter. This launchable grenade holds approximately 1.6 oz. of active agent which is expelled through three ports around the equator of the ball. Due the intense heat generated by this grenade, it should not be used inside a building or near flammable material.
- viii. COMBINED SYSTEMS, CTS CS BAFFLED CANISTER GRENADE, #5230B, cost \$39, quantity: 18. The CTS CS Baffled Canister Grenade 5230B is a pyrotechnic grenade designed for indoor use delivering a maximum amount of irritant smoke throughout multiple rooms with minimal risk of fire. This launchable grenade 6.20 inches by 2.60 inches.
- ix. DEFENSE TECHNOLOGY, OC AEROSOL GRENADE 1.3% FOGGER, 6-OUNCE, #56854, cost: \$22, quantity: 8. The 6 oz. OC Aerosol Grenade will deliver its payload of 1.3% MC% OC in 20-25 seconds. This is an anatomized mist which enhances the pungent 1.3% OC formulation. Ideal for area denial areas like attics, garages, etc. This device has minimum clean up. The canister may also be

- handheld to direct the spray pattern. This product is designed to provide room clearing ability with minimum clear up requirements.
- x. DEFENSE TECHNOLOGY, STINGER 32 CALIBER RUBBER BALL GRENADE, #1090, cost \$5, quantity: 18. The Stinger Rubber Ball Grenade is a maximum effect device that delivers three stimuli for psychological and physiological effects: rubber pellets, light, and sound. The Stinger Rubber Ball Grenade is most widely used as a crowd management tool by Law Enforcement and Corrections. The Stinger Rubber Ball Grenade has an initial 1.5 second delay that initiates fuse assembly separation, followed by another .5 second delay before the blast which is sufficient to project the rubber balls in a 50-foot radius.
  - xi. DEFENSE TECHNOLOGY, POCKET TACTICAL GRENADE, SAF-SMOKE, #1017, cost: \$27, quantity: 2. 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.
  - xii. DEFENSE TECHNOLOGY, LARGE STYLE MAXIMUM SMOKE HC, #1073, cost \$41, quantity: 7. The Maximum Smoke Grenade is designed specifically for outdoor use in crowd control situations with a high-volume continuous burn that expels its payload in approximately 1.5 – 2 minutes 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 2.6 in. and holds approximately 2.9 oz. of active agent.
  - xiii. DEFENSE TECHNOLOGY, MILITARY STYLE RED SMOKE, #1067, cost \$49, quantity: 0: The Maximum Smoke Grenade is designed specifically for outdoor use in crowd control situations with a high-volume continuous burn that expels its payload in approximately 30-40 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 colored smoke grenade is 6.0 in. by 2.35 in. and holds approximately 2.9 oz. of active agent.
  - xiv. COMBINED SYSTEMS, CTS WHITE SMOKE CANISTER GRENADE, #5210B, cost \$38, quantity: 9. The CTS white smoke canister grenade is a pyrotechnic smoke grenade used for concealment or as a signaling device. It can be hand thrown or launched and can be used indoors with minimal risk of fire.
  - xv. DEFENSE TECHNOLOGY, FIRST DEFENSE 1.3% MK-9 STREAM OC AEROSOL, #56895, cost: \$55, quantity: 5. The MK-9 features an easy-to-use trigger handle, is intended for use in crowd management and will deliver 14 short bursts of OC at an effective range of 18-20 ft. This 1.3% MC OC aerosol product utilizes a stream delivery method providing a target-specific, strong concentrated stream for greater standoff.
  - xvi. DEFENSE TECHNOLOGY, FIRST DEFENSE .7% MK-9S HV VAPOR AEROSOL, #43896, cost \$54, quantity: 22. 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. Non-flammable / Electronic Discharge Weapon (EDW)

- safe.
- xvii. DEFENSE TECHNOLOGY, FIRST DEFENSE OC MK-21 HIGH VOLUME STREAM, #5721, cost \$280, quantity: 1. The MK-21 features a trigger handle, is intended for use in crowd control management and delivers short bursts of OC. This item is no longer in production.
- xviii. DEFENSE TECHNOLOGY, FIRST DEFENSE 1.3% MK-46V STREAM OC AEROSOL #43046, cost: \$495, quantity: 1. The MK-46 features a trigger handle, is intended for use in crowd management and will deliver 26 short bursts of OC at an effective range of 25-30 ft. This 1.3% MC OC aerosol product utilizes a stream delivery method providing a target-specific, strong concentrated stream for greater standoff.

b. Purpose

To limit the escalation of conflict where employment of lethal force is prohibited or undesirable. Situations for use of the less lethal weapon systems may include, but are not limited to:

- i. Self-destructive, dangerous and/or combative individuals.
- ii. Riot/crowd control and civil unrest incidents.
- iii. Circumstances where a tactical advantage can be obtained.
- iv. Potentially vicious animals.
- v. SWAT/SERT, tactical or other public safety and life preservation missions.
- vi. Training exercises or approved demonstrations.

c. Authorized Use

Only officers who have received POST certification in the use chemical agents are authorized to use chemical agents.

d. Training

Sworn members utilizing chemical agent canisters are certified by POST less lethal and chemical agent instructors.

e. Lifespan

5 years from manufacturing date.

f. Fiscal Impact

No annual maintenance.

g. Legal and Procedural Rules

It is the policy of the Kern County Sheriff's Office to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law, including those regarding the use of force.

**12. Explosive Breaching Tools:** Tools that are used to conduct an explosive breach.

a. Description, quantity, capabilities, and purchase cost

- i. DETONATING CORD, cost: \$0.57 per foot, quantity: 750 feet. The detonating cord is a thin, flexible plastic tube usually filled with pentaerythritol tetranitrate (PETN, pentrite). With the PETN exploding at a rate of approximately 6400 m/s, any common length of detonation cord appears to explode instantaneously. It is a high-speed fuse which explodes, rather than burns, and is suitable for detonating high explosives.
- ii. BLASTING CAP, cost: \$12-\$18, quantity: 23. A blasting cap is a small sensitive primary explosive device generally used to detonate a larger, more powerful and less sensitive secondary explosive such as TNT, dynamite, or plastic explosive. Blasting caps come in a variety of types, including non-electric caps, electric caps, and fuse caps, however, only non-electric caps are used for explosive breaching.
- iii. DETASHEET, cost: \$100/lb., quantity: 20. A plasticized explosive primarily consisting of pentaerythritol tetranitrate (PETN, pentrite). With the PETN exploding at a rate of approximately 6400 m/s, any common length of detonation cord

- appears to explode instantaneously. It operates as a secondary explosive.
- iv. REMINGTON 870 EXPRESS BREACHING SHOTGUN, cost: \$500, quantity: 1. This weapon allows for 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 gases to prevent overpressure. This weapon can also defeat windows and sliding glass doors with a flash bang round. A less lethal 2.4- inch 12-gauge shotgun round firing a ballistic fiber bag filled with 40 grams of lead shot at a velocity of 270-290 feet per second (FPS).
  - v. MOSSBERG MODEL 930 BREACHING SHOTGUN, cost \$600, quantity: 1. This weapon allows for 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 gases to prevent overpressure. This weapon can also defeat windows and sliding glass doors with a flash bang round. A less lethal 2.4 inch 12-gauge shotgun round firing a ballistic fiber bag filled with 40 grams of lead shot at a velocity of 270-290 feet per second (FPS).
  - vi. ROYAL ARMS TESAR-1 ORANGE CAP 275 GRAIN COPPER FRANGIBLE BREACHING ROUND, cost: \$5 per round, quantity: 5. The round is fired from a breaching shotgun or PAN disrupter and is used to destroy deadbolts, locks, and hinges.
  - vii. ROYAL ARMS TESAR-2 BACK CAP 425 GRAIN COPPER FRANGIBLE BREACHING ROUND, cost: \$5 per round, quantity: 5. The round is fired from a breaching shotgun or PAN disrupter and is used to destroy deadbolts, locks and hinges.
  - viii. ROYAL ARMS TESAR-3 GREEN CAP 375 GRAIN CLAYVON FRANGIBLE BREACHING ROUND, cost: \$5 per round, quantity: 59. The round is fired from a breaching shotgun or PAN disrupter and is used to destroy deadbolts, locks and hinges.
  - ix. ROYAL ARMS FTR-P1 TRAINING AMMUNITION (POLY SHOT), cost: \$5 per round, quantity: 5. The round is fired from a breaching shotgun or PAN disrupter and is used for training purposes. It also can be used for fracturing glass panels.
  - x. ROYAL ARMS FB-82H 12-GAUGE 82 GRAIN FLASH BANG HARD BREACHING ROUND, cost: \$5 per round, quantity: 20. The rounds are fired from a breaching shotgun or PAN disrupter and is used as a diversionary round and can be used to break glass.
  - xi. ROYAL ARMS MB-70S 12-GAUGE MUZZLE BLAST FLASH BANG SOFT BREACHING ROUND, cost: \$6 per round, quantity: 20. The round is fired from a breaching shotgun or PAN disrupter and is used as a diversionary round and can be used to break glass.
  - xii. L-TECH ENTERPRISES 12-GAUGE EOD BK10 BLANK, cost \$1.46 per round, quantity: 15. The round is fired from a PAN Disrupter and used to propel fluid toward a target and disrupt the contents or components.
  - xiii. L-TECH ENTERPRISES 12-GAUGE EOD BK20 BLANK, cost \$1.46 per round, quantity: 12. The round is fired from a PAN Disrupter and used to propel fluid toward a target and disrupt the contents or components.
  - xiv. L-TECH ENTERPRISES 12-GAUGE EOD BK40 BLANK, cost \$2.46 per round, quantity: 0. The round is fired from a PAN Disrupter and used to propel fluid toward a target and disrupt the contents or components.
  - xv. L-TECH ENTERPRISES 12-GAUGE EOD BK90 BLANK, cost \$2.80 per round, quantity: 7. The round is fired from a PAN Disrupter and used to propel fluid toward a target and disrupt the contents or components.

- xvi. L-TECH ENTERPRISES 12-GAUGE EOD BK110 BLANK, cost \$3.00 per round, quantity: 34. The round is fired from a PAN Disrupter and used to propel fluid toward a target and disrupt the contents or components.
- xvii. L-TECH ENTERPRISES 12-GAUGE EOD DISINTEGRATING PROJECTILE (AVON) BLANK, cost \$5.00 per round, quantity: 32. The round is fired from a PAN Disrupter and uses a disintegrating projectile to destroy locks and latching mechanisms.
- xviii. DEFENSE TECHNOLOGY DRAG STABILIZED 12-GUAGE BEAN BAG ROUND, cost \$5.00, quantity: 27. The rounds are fired from a breaching shotgun or PAN disrupter and is used to break glass.
- xix. L-TECH ENTERPRISES 12-GAUGE EOD SP SABOT X9, cost \$5.00, quantity:11. The rounds are fired from a breaching shotgun or PAN disrupter and is used to destroy locks or latching mechanisms.
- xx. L-TECH ENTERPRISES 12-GAUGE EOD MK 274 MOD 0 ULTRA VELOCITY SLUG, cost \$5.00, quantity: 20. The rounds are fired from a breaching shotgun or PAN disrupter and is used to destroy locks or latching mechanisms.
- xxi. L-TECH ENTERPRISES 12-GAUGE EOD FSRP FIN STABILIZED RUBBER PROJECTILE, cost \$6.00, quantity 15. The rounds are fired from a breaching shotgun or PAN disrupter and is used for crowd management.

b. Purpose

To safely gain entry into a structure.

c. Authorized Use

Explosive breaching may only occur after authorization by the Incident Commander or SWAT Commander in the field, and during training exercises.

d. Lifespan

Detonating Cord- 10 years.

Blasting Caps- 10 years.

Detasheet- 2 years.

Breaching Shotguns- 25 years.

Royal Arms Tesar-1 Orange Cap 275 grain copper frangible breaching round- 5 years.

Royal Arms Tesar-2 Back Cap 425 grain copper frangible breaching round- 5 years.

Royal Arms Tesar-3 Green Cap 375 grain clayvon frangible breaching round- 5 years.

Royal Arms FTR-P1 Training Ammunition (poly shot)- 5 years.

Royal Arms FB-82H 12-Gauge 82 grain flash bang hard breaching round- 5 years.

Royal Arms MB-70S 12-Gauge muzzle blast flash bang soft breaching round- 5 years.

L-Tech Enterprises 12-Gauge EOD BK10 blank- 5 years.

L-Teck Enterprises 12-Gauge EOD BK20 blank- 5 years.

L-Tech Enterprises 12-Gauge EOD BK40 blank- 5 years.

L-Tech Enterprises 12-Gauge EOD BK90 blank- 5 years.

L-Tech Enterprises 12-Gauge EOD BK110 blank- 5 years.

L-Tech Enterprises 12-Gauge EOD disintegrating projectile (AVON) blank- 5 years.

Defense Technology Drag Stabilized 12-Gauge Bean Bag round- 5 years.

e. Fiscal Impact

Annual maintenance is approximately \$200.

f. Training

All officers who use explosive breaching tools shall attend 80 hours of explosive breaching instruction and must additionally receive annual training for explosive operations. All officers responsible for explosive breaching will be certified by CalOSHA.

g. Legal and Procedural Rules

It is the policy of the Kern County Sheriff's Office to utilize explosive breaching tools only for official law enforcement purposes, and pursuant to State and Federal law.

- 13. Two (2) Bell OH-58A+:** The Bell OH-58A+ are helicopters used for patrol operations in Kern County. They are used to assist the Kern County Sheriff's Office and allied agencies with the use of a thermal camera along with a spotlight. These were obtained at no cost from the military in the 1990's and were outfitted with cameras, lights, radios and computers to function in a law enforcement capacity. One helicopter was manufactured in 1969 and the other in 1970.
- a. Description, quantity, capabilities, and purchase cost

Two small Bell helicopters which are used for patrol and search and rescue missions. These were obtained from the military in the 1990's at no cost. The Sheriff's Office has spent several hundred thousand dollars to outfit these helicopters for law enforcement use since they were obtained from the military.
  - b. Purpose

To provide overhead support for law enforcement activities, including patrol response and search and rescue incidents.
  - c. Authorized Use

The Bell OH-58A+ helicopters are used on a day and night basis to support patrol operations. They are not certificated by the FAA, so they are unable to be used for any type of civilian operations/transport, unless necessary for the mission (i.e. to transport a missing person as a result of a search and rescue mission)
  - d. Lifespan

No set life span, however, several safety systems do not meet current FAA guidelines. One of the helicopters has been taken out of service due to safety issues discovered. The Sheriff's Office is using parts from this helicopter to keep the other OH-58A+ running at a reduced cost.

Helicopter N397E did not fly during FY 2023/2024 and was returned to OES on December 13, 2023, and re-assigned to Santa Barbara County for spare parts. Helicopter N497E flew 3.1 hours in 2024 and was returned to OES on February 13, 2024, and re-assigned to the Sacramento Police Department for spare parts.
  - e. Fiscal Impact

No annual costs due to the helicopters being returned to OES and re-assigned.
  - f. Training

All pilots complete regular (quarterly) currency flights, both night and day, with an inhouse certified flight instructor.
  - g. Legal and Procedural Rights

Due to being non-certificated by the FAA, they are unable to be used for civilian use and must be used for a law enforcement purpose.