



Kern County Sheriff's Office Policies and Procedures

TITLE: Military Equipment Use			NO: J-4000
APPROVED: Donny Youngblood, Sheriff-Coroner			
EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026

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 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 from 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 Supervisors 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 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 that 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.

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.

J-4000-2

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
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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 public 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 the 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 that addresses each of the following requirements:
 - a. The manufacturer's 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 ongoing 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

J-4000-3

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
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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. A response to the question or concern shall be completed by the KCSO in a timely manner.
3. Any member of the public can submit a complaint to any member of the KCSO and in any form (e.g., in person, by telephone, by 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 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 that 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.

J-4000-4

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
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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. A 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. A UAS 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 an audible speaker and light. Capable of video recording and weighs 899 grams, with approximately 30 minutes of flight time.
- iv. DJI MAVIC 3T ENTERPRISE, cost: \$5,800 each, quantity: 4. A UAS that has a color and infrared camera as well as an audible speaker and light. Capable of video recording and weighs 920 grams, with approximately 45 minutes of flight time.
- v. DJI MINI 2, cost: \$500 each, quantity: 2. A UAS that has a color camera. Capable of video recording and weighs 242 grams, with approximately 30 minutes of flight time.
- vi. DJI MINI 3 PRO, cost: \$750 each, quantity: 3. A UAS that has a color camera. Capable of video recording and weighs 259 grams, with approximately 30 minutes of flight time.
- vii. DJI MAVIC 3 PRO, cost: \$2,200 each, quantity: 1. A UAS that has a color camera. Capable of video recording and weighs 958 grams, with approximately 45 minutes of flight time.
- viii. DJI AVATA 2, cost: \$1,500 each, quantity: 7. A UAS that has a color camera capable of video recording and weighs 377 grams, approximately 23 minutes of flight time.
- ix. DJI Matrice 4E, cost: \$4,590 each, quantity: 2. The DJI Matrice 4E is a professional-grade enterprise drone designed for public safety and inspection applications. It features a camera with a mechanical lens, which is superior for rapid image collection for use in 3D mapping applications. These drones will be used for crime scene documentation and for creating 3D renderings of an incident, which can be used to measure or examine scene details in three dimensions.
- x. DJI Matrice 4T, cost: \$7,799 each, quantity: 4. The DJI Matrice 4T is a high-end, enterprise-grade drone designed for professional applications such as public safety, search and rescue, and infrastructure inspection. Some of the features include a wide-angle camera for general imaging, a zoom camera for detailed observations, and a thermal camera that detects heat signatures.

J-4000-5

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
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b. Purpose

To be deployed when its view would assist deputies 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 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 machines operating on the ground are utilized to enhance the safety of the community and deputies.

a. Description, quantity, capabilities, and purchase cost

- i. REMOTEC ANDROS F6-B, cost: \$233,000 each, quantity: 1. The Remotec ANDROS F6-B is a heavy-duty robot. Its stair-climbing ability, an arm capable of lifting 65lbs. The F6-B also offers multiple communication options, a chassis and manipulator that accommodate accessories and tool combinations, and quick-release pneumatic wheels for rapid width reduction.
- ii. REMOTEC ANDROS HD-SEL, cost: \$317,000 each, quantity: 1. The Remotec ANDROS HD-SEL is a heavy-duty robot. Its stair climbing ability, an arm capable of dragging 70 kilograms. The HD-SEL also offers multiple communication options and a chassis and manipulator that support accessory 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,

J-4000-6

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
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and both can be remotely operated from a hundred meters away, providing protection and safety to their operators as an observation platform.

- iv. iRobot XM1216 FLIR SUGV, cost: \$2,000 each (federal excess), quantity: 4. The SUGV can be hand-carried and operated remotely from over a hundred meters away as an observation platform, providing protection and safety to its operators.
- v. 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 can navigate various terrains, offers video capabilities, and supports two-way audio communication.

b. Purpose

To be used to remotely 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 an open floor plan that allows for the rescue of personnel or community members. It can stop various projectiles, providing greater safety to the public and deputies beyond the protection afforded by the 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

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
---------------------------------	-------------------------	------------------------	------------------------

personnel with an open floor plan that allows for the rescue of personnel or community members. The Bearcat G3 has increased ground clearance and a robust suspension, allowing an emergency response to almost any situation. It can stop various projectiles, providing greater safety to the public and deputies beyond the protection afforded by the 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 deputies 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 drivers/operators shall attend formal instruction and be trained in vehicle operation and practical driving.

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 can be 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, minimizing health and safety threats during a terrorist attack. During a terrorist attack, the ROOK will enable law enforcement-protected response.

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
---------------------------------	-------------------------	------------------------	------------------------

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 drivers/operators shall attend formal instruction and be trained in vehicle operation and practical driving.

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 the 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 the Sheriff's Office computer systems and can be used for other critical incidents, preplanned large events, missing person searches, 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, providing shelter and access to the Sheriff's Office computer systems.

iii. SPECIAL WEAPONS and TACTICS (SWAT) EQUIPMENT VEHICLE, cost: \$263,000, quantity: 1. The SWAT Equipment Vehicle is used for 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.

J-4000-9

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
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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 the 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 deputies trained in their deployment and in a manner consistent with Department policy and training. Furthermore, only deputies who have completed the required California Department of Motor Vehicles 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 demonstrated competence in vehicle handling, the driver/operator will drive the vehicle throughout the city under the guidance of an experienced driver.

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

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: 106. 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.

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
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- ii. PENN ARMS, 40MM PUMP MULTI-LAUNCHER 5" CYLINDER, FIXED STOCK w/ COMBO RAIL, cost \$3,300. quantity: 9. 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: 332. 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 OC, #6320, cost: \$22, quantity: 16. 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 the 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.
- v. DEFENSE TECHNOLOGY, FERRETT 40MM LIQUID BARRICADE CS PENETRATOR ROUND, #2262, cost: \$23, quantity: 130. A less lethal 40MM round is 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 a structure or vehicle. In tactical deployment situations, the 40mm Ferret is primarily used to dislodge barricaded subjects in 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.
- vi. DEFENSE TECHNOLOGY, 37/40MM .32 CALIBER RUBBER BALLS ROUND, #6296, cost: \$25, quantity: 18. 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 pain compliance over close to medium ranges of fire and for routing crowds or groups that are mildly resistant.
- vii. DEFENSE TECHNOLOGY, 40MM MULTIPLE WOODEN BATON ROUND, #6098, cost: \$25, quantity: 81. The 40mm Multiple Wooden Baton Round is widely used as a crowd

J-4000-11

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
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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 pain compliance over a greater distance than most of its counterparts and is commonly used to route crowds or mildly resistant groups.

viii.

DEFENSE TECHNOLOGY, 40MM PUMP MULTI-LAUNCHER, cost: \$4,721.87, quantity: 3. A 40mm pump multi-launcher 40MM spring-advance magazine drum launcher with a six-shot capacity and a rifled barrel and 5" cylinder.

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 costs approximately \$50 per 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.

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
---------------------------------	-------------------------	------------------------	------------------------

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 weapon system's range helps maintain space between deputies 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 uses a fin-stabilized polystyrene body and a non-toxic bismuth forward payload for greater accuracy and longer 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, their effectiveness depends on many variables, such as distance, clothing, stature, and the point of impact.
- iii. FN 303 PAVA/OC POWDER PROJECTILE, cost: \$5 per projectile, quantity: 1830. The FN 303 PAVA/OC powder projectile is a .68-caliber, 8.5-gram projectile that uses a fin-stabilized polystyrene body and a non-toxic bismuth forward payload for greater accuracy and longer 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, their effectiveness depends on many variables, such as distance, clothing, stature, and the point of impact.

J-4000-13

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
---------------------------------	-------------------------	------------------------	------------------------

- iv. FN 303 CLEAR IMPACT PROJECTILE, cost: \$5 per projectile, quantity: 630. The FN 303 clear impact projectile is a .68-caliber, 8.5-gram projectile that uses a fin-stabilized polystyrene body and a non-toxic bismuth forward payload for greater accuracy and longer 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, their effectiveness depends on many variables, such as distance, clothing, stature, and the point of impact.
- v. FTC PEPPERBALL LAUNCHER, cost: \$600, quantity: 26. 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 maintain space between deputies 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 10-12 foot-pounds of kinetic energy. The maximum range of this less lethal launcher is 150 feet and helps maintain space between deputies and a suspect, reducing the immediacy of the threat, which is the principle of de-escalation.
- vii. PEPPERBALL INERT PROJECTILE, cost: \$1 per projectile, quantity: 2,775. 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: 10,545. 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 60 ft and a saturation area of 150+ ft.
- ix. PEPPERBALL LIVE-X PROJECTILE, cost \$3 per projectile, quantity: 3,185. 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%

J-4000-14

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
---------------------------------	-------------------------	------------------------	------------------------

PAVA powder and are 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.

- x. FN 303 INERT Projectiles, cost: \$1,782.92, quantity: 420. The FN 303 Inert Powder projectile is a .68-caliber, 8.5-gram projectile that uses a fin-stabilized polystyrene body and a non-toxic bismuth forward payload to improve accuracy and extend effective range. The purpose of the Inert Powder round is for training environments. This round contains a simulated irritant powder for training. 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, their effectiveness depends on many variables, including distance, clothing, stature, and point of impact.
- xi. PEPPERBALL VKS CARBINE, cost: \$2,740, quantity: 2. The VKS CARBINE is a compressed-air power launcher designed to fire non-lethal PepperBall standard round ball or VKR projectiles. The VKS Carbine is a .68 caliber, semi-automatic launcher with 7-20 foot pounds of kinetic energy. The maximum range of this less lethal launcher is 150 feet and helps maintain space between deputies and a suspect, reducing the immediacy of the threat, which is the principle of de-escalation.
- xii. PEPPERBALL VKR INERT PROJECTILE, cost: \$464, quantity: 250. The VKR INERT PROJECTILE is a .68 caliber, 3.4 gram projectile that utilizes an ultrasonically welded and fin-stabilized polystyrene body. This round offers greater distance and accuracy compared to a standard round ball projectile. The purpose of the inert powder projectile is for direct impact and training environments when PAVA exposure is not desired. This round contains a harmless scented powder. The effective range for this round is 150 feet for direct impact and 390+ feet for saturation, and is designed to be fired from the XVS Carbine.
- xiii. PEPPERBALL VKR LIVE X PROJECTILE, cost: \$1,296, quantity: 200. The VKR LIVE X PROJECTILE is a .68 caliber, 3.4 gram projectile that utilizes an ultrasonically welded fin-stabilized polystyrene body. For a more accurate and more effective range than a standard round ball projectile. The purpose of the Live X projectile is direct impact or area saturation. This round contains a 5% PAVA irritant powder. The effective range for this round is 150 feet for direct impact and 390+ feet for saturation, and is designed to be fired from the XVS Carbine.

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.

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
---------------------------------	-------------------------	------------------------	------------------------

- 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 deputies 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 deputies 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: 3. 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 is launched with the Model 1210 Muzzle Bang 12-gauge launching cartridge.
 - ii. DEF-TEC NO. 33 12GA GRENADE LAUNCHING CUP, cost \$400, quantity: 2. 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 is launched with the Model 1210 Muzzle Bang 12-

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
---------------------------------	-------------------------	------------------------	------------------------

- gauge launching cartridge.
- iii. DEF-TEC NO. 34 12GA GRENADE LAUNCHING CUP, cost: \$400, quantity: 2. Designed for tactical use and manufactured by Defense Technology. They are part of a range of munitions and training devices used by law enforcement and military personnel. The cups can be attached to any 12-gauge shotgun.
- iv. SMITH & WESSON NO. 34 12GA GRENADE LAUNCHING CUP, cost: \$0, quantity: 2. Designed for rubber grenade munitions and manufactured by the Smith and Wesson Chemical Company. The launching cup can be attached to any 12-gauge shotgun.
- v. Black 40MM Launching Cups, cost: \$0, quantity: 7. Designed for tactical use and attach to any 12-gauge shotgun. The grenade launching cups can launch any 40MM munitions.

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 12-gauge Grenade Launching Cup- 25 years
 Defense Technology 12-gauge TKO/Launching Cup for Pocket Tactical Grenades- 5 years.

e. Fiscal Impact

No annual maintenance.

f. Training

Deputies utilizing the launching cups are trained in their 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 distraction device is ideal for distracting dangerous suspects during assaults, hostage rescue, room entry, or other high-risk arrest situations.

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
---------------------------------	-------------------------	------------------------	------------------------

a. Description, quantity, capabilities, and purchase cost

- i. DEFENSE TECHNOLOGY LOW ROLL, RELOADABLE BODY DISTRACTION DEVICE, model #8933, cost: \$60, quantity: 29. 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: 5. 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 4-GRAM RELOAD, model #7000, cost: \$50, quantity: 2. 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 6-8 million candelas of light.
- iv. DEFENSE TECHNOLOGY DISTRACTION DEVICE 12-GRAM RELOAD, model #8901, cost: \$34, quantity: 65. 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 6-8 million candelas of light.
- v. ROYAL ARMS FBG-MK4 NFDD FLASH BANG TRAINER, cost \$350, quantity: 88. 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 overpressure and brilliant white light, and, as a result, cause short-term (6 - 8 seconds) physiological/psychological sensory deprivation, giving deputies a tactical advantage.

c. Authorized Use

Diversionary Devices shall only be used:

- i. By deputies 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 deputies.
- iv. During other high-risk situations where their use would enhance officer safety.

J-4000-18

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
---------------------------------	-------------------------	------------------------	------------------------

- 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

Before use, deputies must attend divisionary device training 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: 372. The Colt M-4 Carbine is a semi-automatic 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: 32. 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 to better control a firearm inside structures with greater accuracy than a handgun.
- iii. GA PRECISION GLADIUS .308 CALIBER RIFLE, cost: \$4,200. Quantity: 2. 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

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
---------------------------------	-------------------------	------------------------	------------------------

critical incidents.

- iv. 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.
- v. REMINGTON 700 .308 CALIBER RIFLE, cost: \$800, quantity: 4. 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.
- vi. MASTERPIECE ARMS .308 CALIBER RIFLE, cost: \$4,862, quantity: 1. MASTERPIECE ARMS MPA BA ESR CHASSIS LE w/ enhanced night vision bridge, 18" folding stock, 18" threaded barrel, .308 caliber sniper rifle.

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 who 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 costs approximately \$50 per rifle.

f. Training

Before using a rifle, deputies must be certified by POST instructors in its operation. Additionally, all members who 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.

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
---------------------------------	-------------------------	------------------------	------------------------

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: 25. 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 holds 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: 35. 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 0.70 oz. of agent during its 20-25-second burn time. The Tri-Chamber Flameless Grenade can be used for crowd control and tactical deployment by Law Enforcement and Corrections, but was designed with barricade situations 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 through heat and vaporization while minimizing or negating the risk 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: 89. 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 is 6.12 inches by 2.62 inches and holds approximately 2.9 oz. of active agent.
- iv. DEFENSE TECHNOLOGY, STINGER CS RUBBER BALL GRENADE, #1088, cost: \$54, quantity: 21. The Stinger CS Rubber Ball Grenade is a maximum effect device that delivers four stimuli for psychological and physiological effects: rubber

J-4000-21

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
---------------------------------	-------------------------	------------------------	------------------------

- pellets, light, sound, and CS. Law Enforcement and Corrections most widely use the Stinger Grenade as a crowd management tool. The Stinger Grenade has an initial 1.5-second delay that initiates the fuse assembly's separation, followed by another 0.5-second delay before the blast, which is sufficient to project the rubber balls and chemical agent within a 50-foot radius.
- v. 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 has an overall height of 4.8 in., including the fuze head, and a diameter of 3.1 in. This launchable grenade holds approximately 1.6 oz. of active agent, which is expelled through three ports around the equator of the ball. Due to the intense heat generated by this grenade, it should not be used inside a building or near flammable material.
 - vi. COMBINED SYSTEMS, CTS CS BAFFLED CANISTER GRENADE, #5230B, cost: \$39, quantity: 105. 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 is 6.20 inches by 2.60 inches.
 - vii. DEFENSE TECHNOLOGY, OC AEROSOL GRENADE 1.3% FOGGER, 6-OUNCE, #56854, cost: \$22, quantity: 35. 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. The canister may also be handheld to direct the spray pattern. This product is designed to provide room-clearing capability with minimal cleanup.
 - viii. DEFENSE TECHNOLOGY, STINGER 32 CALIBER RUBBER BALL GRENADE, #1090, cost: \$5, quantity: 12. The Stinger Rubber Ball Grenade is a maximum effect device that delivers three stimuli for psychological and physiological effects: rubber pellets, light, and sound. Law Enforcement and Corrections most widely use the Stinger Rubber Ball Grenade as a crowd management tool. The Stinger Rubber Ball Grenade has an initial 1.5-second delay that initiates the fuse assembly's separation, followed by another 0.5-second delay before the blast, which is sufficient to project the rubber balls within a 50-foot radius.
 - ix. DEFENSE TECHNOLOGY, POCKET TACTICAL GRENADE, SAF-SMOKE, #1017, cost: \$27, quantity: 3. The Pocket Tactical Saf-Smoke™ Grenade is small and lightweight. The Saf-Smoke will burn approximately 20-40 seconds. At 4.75 inches by 1.4 inches, 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

J-4000-22

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
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inches long, it produces a smoke cloud so quickly that it appears to be an enveloping screen produced by a full-size tactical grenade.

- x. DEFENSE TECHNOLOGY, LARGE STYLE MAXIMUM SMOKE HC, #1073, cost: \$41, quantity: 11. 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 rout 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.
- xi. COMBINED SYSTEMS, CTS WHITE SMOKE CANISTER GRENADE, #5210B, cost: \$38, quantity: 4. 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.
- xii. DEFENSE TECHNOLOGY, FIRST DEFENSE 1.3% MK-9 STREAM OC AEROSOL, #56895, cost: \$55, quantity: 64. 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.
- xiii. DEFENSE TECHNOLOGY, FIRST DEFENSE .7% MK-9S HV VAPOR AEROSOL, #43896, cost \$54, quantity: 32. 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 uses a vapor delivery method, providing a high concentration of OC in a powerful mist that inflames 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.

b. Purpose

To limit the escalation of conflict where the 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.

J-4000-23

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
---------------------------------	-------------------------	------------------------	------------------------

- vi. Training exercises or approved demonstrations.
- c. Authorized Use
Only deputies who have received POST certification in the use of 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 the 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: 2,000 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 that 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: 6lbs. 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: 2. This weapon allows for breachers to safely utilize shotgun breaching rounds to destroy deadbolts, locks, and hinges. The stand-off attached to the end of the barrel allows 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 flashbang round. A less lethal 2.4- inch 12-gauge shotgun round firing a ballistic fiber bag

J-4000-24

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
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- filled with 40 grams of lead shot at a velocity of 270-290 feet per second (FPS).
- v. 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.
 - vi. 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.
 - vii. ROYAL ARMS TESAR-3 GREEN CAP 375 GRAIN CLAYVON 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 FTR-P1 TRAINING AMMUNITION (POLY SHOT), cost: \$5 per round, quantity: 80. The round is fired from a breaching shotgun or PAN disrupter and is used for training purposes. It can also be used for fracturing glass panels.
 - ix. ROYAL ARMS FB-82H 12-GAUGE 82 GRAIN FLASH BANG HARD BREACHING ROUND, cost: \$5 per round, quantity: 5. The rounds are fired from a breaching shotgun or PAN disrupter and are used as a diversionary round and can be used to break glass.
 - x. 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.
 - xi. 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.
 - xii. L-TECH ENTERPRISES 12-GAUGE EOD BK20 BLANK, cost: \$1.46 per round, quantity: 37. 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 BK40 BLANK, cost: \$2.46 per round, quantity: 42. 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 BK90 BLANK, cost: \$2.80 per round, quantity: 47. The round is fired from a PAN Disrupter and used to propel fluid toward a target and disrupt the contents or components.

J-4000-25

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
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- xv. L-TECH ENTERPRISES 12-GAUGE EOD BK110 BLANK, cost \$3.00 per round, quantity: 114. The round is fired from a PAN Disrupter to propel fluid toward a target and disrupt its contents or components.
- xvi. L-TECH ENTERPRISES 12-GAUGE EOD DISINTEGRATING PROJECTILE (AVON) BLANK, cost: \$5.00 per round, quantity: 25. The round is fired from a PAN Disrupter and uses a disintegrating projectile to destroy locks and latching mechanisms.
- xvii. DEFENSE TECHNOLOGY DRAG STABILIZED 12-GAUGE BEAN BAG ROUND, cost: \$5.00, quantity: 27. The rounds are fired from a breaching shotgun or PAN disrupter and are used to break glass.
- xviii. 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 are used to destroy locks or latching mechanisms.
- xix. L-TECH ENTERPRISES 12-GAUGE EOD MK 274 MOD 0 ULTRA VELOCITY SLUG, cost: \$5.00, quantity: 23. The rounds are fired from a breaching shotgun or PAN disrupter and are used to destroy locks or latching mechanisms.
- xx. 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 are used for crowd management.

b. Purpose

To safely gain entry into a structure.

c. Authorized Use

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

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
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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-Tech 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 deputies who use explosive breaching tools shall attend 80 hours of explosive breaching instruction and must additionally receive annual training for explosive operations. All deputies 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.

J-4000-27

EFFECTIVE: February 28, 2022	REVIEWED: 02/26/2026	REVISED: 02/26/2026	UPDATED: 02/26/2026
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