

**ATTACHMENT A TO POLICY 709 MILITARY EQUIPMENT  
SECTION 709.4**

SECTION ONE: Qualifying Equipment Owned/Utilized by the Madera Police Department.

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 Air S2, cost \$1,500 each, quantity 3. Miniature UAS that weighs approximately 595 grams and can record video and obtain digital images with approximately 31 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. Search for missing persons.
    - ii. Natural disaster management.
    - iii. Crime/Accident scene photography.
    - iv. SWAT, tactical or other public safety and life preservation missions.
    - v. 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 UASs during approved missions.
  - d. Expected Life Span

All UAS equipment, 3-5 years.
  - e. Fiscal Impact

Combined annual maintenance and battery replacement cost for all UASs is approximately \$1,000.
  - f. Training

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

Use is established under FAA Regulation 14 CFR Part 107, and the MPD UAS policy. It is the policy of the MPD 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. Avatar III, cost: \$90,000 each, quantity: 1. The Avatar III is a rugged, heavy-duty tactical robot that allows personnel to remotely inspect dangerous situations safely and quickly. It has stair climbing ability and an arm capable of lifting 65lbs. The Avatar III also offers microphones, speakers, and cameras for communications, and can deliver small items into unsafe environments.

b. Purpose

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

c. Authorized Use

Only assigned operators who have completed the required training shall be permitted to operate the robot identified at section 2(a)(i). Use is established by the Investigations Lieutenant and/or Incident Commander.

d. Expected Life Span

15 years.

e. Fiscal Impact

Annual maintenance and battery replacement cost is approximately \$250.

f. Training

All robot operators complete annual basic operator training to operate the robot identified at sections 2(a)(i).

g. Legal and Procedural Rules

It is the policy of the MPD to utilize a robot only for official law enforcement purposes, and in a manner that respects the privacy of our community, pursuant to State and Federal law.

3. **Mobile Incident Command Vehicle:** A mobile office that provides shelter, access to Police Department computer systems, and incident briefing room for extended events.

a. Description, quantity, capabilities, and purchase cost

i. 2009 Wells Cargo- model EW2824W. 28-foot-long, two-axle, bumper pulled Mobile Command Trailer, cost \$41,000, quantity 1. The interior of the trailer provides three workstations with computers and mobile radios. The trailer has

a small refrigerator, microwave, and climate control unit.

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

The Mobile Command Center (MCC) shall be used by Officers / Volunteers trained in their deployment and in a manner consistent with Department policy and training. Furthermore, only Officers / Volunteers who are properly licensed and have completed a driver's training program will be allowed to drive the MCC.

d. Lifespan

20 years with IT upgrades every 5 – 7 years.

e. Fiscal Impact

Annual maintenance cost is approximately \$2,050.

f. Training

The driver/operator shall receive training in the safe handling of the vehicle on a closed training course.

g. Legal and Procedural Rules

It is the policy of the MPD to use the MCC only for official law enforcement purposes, and in accordance with California State law regarding the operation of motor vehicles.

4. **Breaching Equipment:** Tools that are used to breach doors or glass by use of slugs or explosives.

a. Description, quantity, capabilities, and purchase cost

- i. Remington 870 breaching shotgun, cost: \$500, quantity 2. This weapon allows for breachers to utilize shotgun breaching rounds in order to defeat deadbolts, locks, and hinges. The stand-off that is attached to the end of the barrel allows for positive placement of the gun into the correct position and vents gasses to prevent overpressure. This weapon can also defeat windows and sliding glass doors with a flash bang round.

- ii. CTS 12-gauge breaching munition, #2570, cost \$7 each, quantity 10. The round is fired from a breaching shotgun and is used to disrupt locking mechanisms and hinges, defeat and breach external and internal doors.
- iii. Royal Arms Flash Bang Cartridge FBC (Red Cap), cost: \$7.50, quantity: 81, This cartridge is used with the breaching shotgun for diversionary, disorientation, breaching, and crowd control. The round is designed to breach solid wood doors, sliders, and car windows.

b. Purpose

To gain entry safely and quickly into a structure.

c. Authorized Use

Breaching with 12-gauge rounds may only occur after authorization by the Incident Commander or SWAT Commander in the field, and during training exercises.

d. Lifespan

Breaching shotgun – 25 years

Breaching rounds – 5 years

e. Fiscal Impact

Annual maintenance is approximately \$500.

f. Training

All Officers who use breaching rounds shall be certified by a POST instructor in the use of breaching rounds and equipment.

g. Legal and Procedural Rules

It is the policy of the MPD to utilize breaching equipment only for official law enforcement purposes, and pursuant to State and Federal law.

5. **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, Flameless Tri-Chamber SAF Smoke Grenade, #1027, cost \$43 each, quantity 100. The Tri-chamber flameless smoke grenade will deliver .70 oz of agent during a 20-25 second burn time. It can be used in crowd control as well as tactical deployment situations but was designed with a barricade situation in mind. Its applications in tactical situations are primarily to detect and/or dislodge barricaded subjects. It provides the option of delivering indoors, maximizing the chemicals' effectiveness via heat and vaporization, while minimizing or negating the chance of fire to the structure.

- ii. Defense Technology, Riot Control Continuous Discharge Grenade, CS, #1082, cost \$27, quantity 6. The Riot Control CS Grenade is designed specifically for outdoor use in crowd control situations with a high-volume continuous burn that expels its payload through four gas ports located on top of the canister. It can be used to conceal tactical movement or to route a crowd. The launchable grenade holds 2.7 oz of active agent.
- iii. Defense Technology, Flameless Tri-Chamber CS Grenade, #1026, cost \$45 each, quantity 3. 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. It is designed primarily for indoor tactical situation to detect and/or dislodge a barricaded subject. The grenade will deliver .70 oz of agent during its 20-25 seconds burn time. The purpose of the Tri-Chamber Flameless Grenade is to minimize the risks to all parties through pain compliance, temporary discomfit, and/or incapacitation of potentially violent or dangerous subjects.
- iv. Defense Technology, Instantaneous Blast OC #1040, cost \$27, quantity 2. The Instantaneous Blast OC grenade is designed for indoor or outdoor use; this grenade's powder is expelled upon initiation of a small internal detonator that has sufficient force to split the canister at six machined grooves on the outside surface. This device is well suited for affecting numerous subjects grouped in an area, using wind to the advantage. It will deliver 1.5 oz of active agent.

b. Purpose

To limit the escalation of conflict and minimize the use of more serious force options. Situations for use of the chemical agents' 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. 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

Officers utilizing chemical agent canisters are certified by POST in the use of less lethal and chemical agents 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 MPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law, including those regarding the use of force.

6. **40MM Launchers and Rounds:** 40MM Launchers are utilized by department personnel as a less lethal tool to launch impact rounds and chemical munitions.

a. Description, quantity, capabilities, and purchase cost:

- i. Defense Technology, 40MM tactical 4 shot launcher, #1440, quantity 2, cost \$2500 each. The 40MM multi launcher is a multi-shot pump action launcher that features an adjustable stock, integrated front grip, and an accessory rail. It features a revolving cylinder that will hold four rounds and will fire standard 40MM less lethal ammunition up to 4.8 inches in cartridge length.
- ii. Defense Technology Spede-Heat 40MM long-range, CS, #6182, cost \$30 each, quantity 3. The Spede-Heat CS long-range munitions delivers one chemical canister of CS agent from a 40MM launcher down range up to 150 yards. The pyrotechnic round is designed specifically for outdoor use in crowd control situations.
- iii. Defense Technology Spede-Heat 40MM long-range round, SAF Smoke #6183, cost \$27 each, quantity 6. The Spede-Heat SAF Smoke munitions deliver one chemical canister of SAF-smoke down range up to 150 yards. The round is designed for outdoor use in crowd control situations with a continuous burn that expels its payload in 20-40 seconds from a single source.
- iv. Defense Technology Stinger 40MM .60 caliber rubber ball round, #6097, cost \$28 each, quantity 20. The Stinger 40MM .60 caliber round is most widely used as a crowd management tool by law enforcement. The round contains approximately eighteen .60 caliber rubber balls. It utilizes smokeless powder as the propellants. The round is generally deployed in low trajectories or skip fired in the general direction (non-target specific) of the intended targets. It is suitable for administering a means of pain compliance over a distance of 15-40 feet with non-compliant crowds.

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. Training exercises or approved demonstrations.

d. Training

Officers utilizing 40MM less lethal chemical agents or impact rounds are trained in their use by POST certified less lethal and chemical agents' instructors.

e. Lifespan

40MM Launchers - 15 years.

40MM munitions - 5 years.

f. Fiscal Impact

Annual maintenance is approximately \$50 for each launcher.

g. Legal and Procedural Rules

It is the policy of MPD to utilize the 40mm equipment only for official law enforcement purposes, and pursuant to State and Federal law, including those regarding the use of force.

7. **Less Lethal Launcher:** A Less Lethal Launcher is used to deploy the less lethal 12-gauge rounds.

a. Description, quantity, capabilities, and purchase cost

- i. Remington 870 Less Lethal Launcher, cost \$950 each, quantity: 25. Used to deploy less lethal impact munitions. The stock and pump grip of the launcher are bright orange in color to indicate it's use as less lethal.
- ii. 12-gauge Safariland drag stabilized beanbag round, #3027, cost: \$5, quantity 234. A less lethal 12-gauge round that launches a ballistic fiber bag filled with 40 grams of lead shot. The effective range of this munition is at least 20 feet up to 75 feet from the target. It does not require a minimum range to "unfold" or "stabilize" and accuracy is relative to the launcher, barrel length, environmental conditions, and the operator.

b. Purpose

To limit the escalation of conflict and attempt to avoid the need for lethal force.

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. Training exercises or approved demonstrations.

d. Lifespan

Remington 870 Less Lethal Launcher–  
25years

Safariland drag stabilized round–No  
expiration

e. Fiscal Impact

Annual maintenance is approximately \$50 for each shotgun.

f. Training

All officers are trained in the use of 12-gauge less lethal launcher as a less lethal option by in-service training.

g. Legal and Procedural Rules

It is the policy of the MPD to utilize the less lethal launcher only for official law enforcement purposes, and pursuant to State and Federal law, including those regarding the use of force.

SECTION TWO: Qualifying equipment known to be owned and/or utilized by law enforcement units with which the Madera Police Department collaborates and/or participates for law enforcement purposes. The Madera Police Department participates in the Madera County Regional SWAT Team. This equipment is owned and operated by Madera County SWAT Team through the Madera County Sheriff's Office, which could result in its deployment and/or use in the City of Madera.

1. **Unmanned Aircraft System (UAS):** An unmanned aircraft along with the associated equipment necessary to control it remotely.
2. **Robots:** Unmanned machine operating on the ground utilized to enhance the safety to the community and officers.
3. **Armored Vehicles:** Commercially produced, wheeled, armored personnel vehicle utilized for law enforcement purposes.



4. **Mobile Incident Command Vehicle:** A mobile office that provides shelter, access to Sheriff's Office computer systems, incident briefing room, and restroom facilities for extended events.
5. **Breaching Equipment:** Tools that are used to breach doors or glass by use of slugs or explosives.
6. **Distraction Devices:** A distraction device produces a loud noise and bright flash and is used to distract and temporarily disorient dangerous suspects during hostage rescue, room entries, or other high-risk arrest situations.
7. **Chemical Agent and Smoke Canisters:** Canisters that contain chemical agents that are released when deployed.
8. **CTS Launching Cup:** Cups that attach to 12 gauge less lethal shotguns which allow officers to launch canisters of chemical agents or smoke.
9. **PepperBall Launcher:** A device that discharges irritant projectiles.
10. **Long Range Acoustic Device (LRAD):** A high intensity directional acoustical array for long-range, crystal-clear hailing, notification, and an unmistakable warning tone. The LRAD is primarily used as a communication device.
11. **40MM and 37MM Launchers and Rounds:** 40MM and 37MM Launchers are utilized by department personnel as a less lethal tool to launch impact rounds and chemical munitions.
12. **Less Lethal Launcher:** A Less Lethal Launcher is used to deploy 12-gauge rounds.

SECTION THREE: This Policy has been adopted by the City Council as Ordinance No. 3-16