

Modesto Police Department

Policy 710- Military Equipment Use

Attachment A- Military Equipment Inventory

(Categories correspond with the categories provided in Government Code Section 7070(c))

Category 1-

Unmanned Aerial Vehicles (UAV): An unmanned aircraft along with the associated Equipment necessary to control it remotely.

- a. Description, quantity, capabilities and purchase cost of current UAVS.
 1. DJI 200 V2 with Zenmuse XT2 Thermal Camera. Cost: \$15,000 Quantity: 1 Remotely operated aerial vehicle that has video recording and Thermal video capabilities and 25-30 minutes of flight time
 2. DJI 200 V1 with Zenmuse Z30 Zoom Camera. Cost: \$16,000 Quantity: 1 Remotely operated aerial vehicle that has video recording capabilities and 27 minutes of flight time
 3. DJI Mavic2 Thermal. Cost: \$3,000 Quantity: 2 Remotely operated aerial vehicle that has video recording and Thermal video capabilities and 25-30 minutes of flight time
 4. DJI Mavic 2 Zoom. Cost: \$3,000 Quantity: 2 Remotely operated aerial vehicle that has video recording and capabilities and 25-30 minutes of flight time
 5. DJI Phantom 4 with Zenmuse XT Thermal Camera and Z3 Zoom Camera. Cost: \$2,500 Quantity: 4 Remotely operated aerial vehicle that has video recording and Thermal video capabilities and 25-30 minutes of flight time
 6. DJI Inspire with Zenmuse XT Thermal Camera and Z3 zoom camera. Cost: \$8,500 Quantity: 1 Remotely operated aerial vehicle that has video recording and Thermal video capabilities and 25-30 minutes of flight time
- b. Purpose: UAVs are to be deployed when its use would assist officers or Incident commanders (ICs) with the following situations, which include but not limited to:
 1. Major collision investigations
 2. Search for missing persons
 3. Search and rescue operations
 4. Crowd control Situations
 5. Perimeter Searches and security
 6. Natural disaster management
 7. Crime Scene Investigations and photography
 8. SWAT, tactical, or other public safety and life preservation missions
 9. In response to specific requests from local, state, or federal fire authorities for fire response and/or prevention.
- c. Authorized use: Only authorized operators as set forth in Department Policy 613 shall be permitted to operate any UAV and only during approved missions.
- d. Expected life span: All UAV equipment 5-7 years

- e. Fiscal impact: Annual maintenance and battery replacement cost is projected to be approximately \$5,000
- f. Training: all UAV operators must go thru in-service training on UAV systems and operations as well as search and seizure laws as well as ongoing in-service training quarterly.
- g. Legal procedure rules: use is established under Department Policy 613 and in accordance with MPD's FAA Certificate of Authorization. It is the policy of the Modesto Police Department (MPD) to utilize UAVS only for official law enforcement purposes and in a manner that respects the privacy of our community, Constitutional rights and in a manner pursuant to state and federal law.

Robots: A remotely controlled unmanned ground vehicle, which is used to enhance the safety of officers and the community.

- a. Description, quantity, capabilities and purchase cost of current robots.
 - 1. Robotex A00476. Cost: \$20,000 Quantity:1 The Robotex Tactical robot enhances the capabilities of SWAT and tactical response teams by allowing them to quickly and safely inspect dangerous situations. there is no longer a need to send personnel in before there has been a chance to assess the situation. The robot can navigate various terrain including stairs, grass and clothing. It has two-way audio and video recording capabilities and is remotely operated.
 - 2. iRobot BB2590. Cost: \$0 Quantity:1 obtained from Government surplus program (LESO) This robot is a multi-mission Tactical robot used to carry out dangerous missions in high treat incidents and is remotely operated.
- b. Purpose: These robots are used to gain visual /audio data in dangerous incidents, deliver communication devices during high risk incidents. They can be used to open doors, disrupt packages and safely clear buildings.
- c. Authorized use: The use of robots shall only be authorized by a designated Incident Commander or the SWAT Commander, based on the specific circumstances of a given critical incident. Robots shall only be used by officers trained in their deployment and in a manner consistent with department policy and training.
- d. Expected life span: All unmanned ground vehicles, 5-10 years
- e. Fiscal impact: Annual maintenance costs and battery replacement costs are projected to be approximately \$3,000
- f. Training: all operators will be trained with in-service SWAT training on unmanned ground vehicle operations.
- g. Legal procedure rules: use is established under Department Policy 414 (Hostage or barricaded persons) and policy 409 (Crisis Response Unit). It is the policy of the Modesto Police Department (MPD) to utilize unmanned ground vehicles (Robots) vehicles only for official law enforcement purposes and in a manner that respects the privacy of our community, pursuant to state and federal law.

Category 2-

Armored vehicles: Commercially produced wheeled Armored Personnel vehicles utilized for law enforcement purposes.

- a. Description, quantity, capabilities and purchase cost of current armored vehicles.
 1. 2004 LenCo Bear. Cost: \$300,000. The LenCo Bear is an armored vehicle that seats 10-12 personnel with an open floor plan that allows for rescue of downed personnel. The vehicle has ballistic capabilities which provide greater safety to citizens and officers beyond the protection level of Ballistic shields or personal body armor.
 2. Peacekeeper Protected Response Vehicle (PRV). Cost: \$0, Quantity:2. Both vehicles obtained from Government surplus program (LESO). The primary use of these two vehicles are to act as overt unmanned surveillance stations (Armadillo Program) in areas experiencing quality of life issues or high crimes. The video camera equipment can capture criminal activity as well as help identify those involved in crime. In emergency situations Peacekeeper vehicles can seat 6-10 people. The vehicle has ballistic capabilities which provide greater safety to citizens and officers beyond the protection level of Ballistic shields or personal body armor.
- B. Purpose: Armored vehicles are 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 Watch Commander, a designated Incident Commander or the SWAT Commander, based on the specific circumstances of a given critical incident. Armored vehicles shall only be used by officers trained in their deployment and in a manner consistent with department policy and training.
- D. Expected life span: All Armored vehicles, 20 years
- E. Fiscal impact: Annual maintenance costs are projected to be approximately \$20,000
- F. Training: all drivers/operators will be trained with in-service training on vehicle operations and practical driving instruction.
- G. Legal procedure rules: use is established under Department Policy 706 (vehicle use) and policy 707 (Armored vehicles). It is the policy of the Modesto Police Department (MPD) to utilize armored vehicles only for official law enforcement purposes and in a manner pursuant to state and federal law.

Category 3-None

Category 4- None

Category 5

Mobile Incident Command Post vehicles (Mobile CP): Truck and trailer used for a mobile office command Center that provides shelter, access to department computer and communication systems and restroom facilities during extended events.

- a. Description, quantity, capabilities and purchase cost of current CP vehicles.
 1. 2000 Eagle 5th wheel trailer. Cost: \$40,000 This trailer is used for a mobile office command Center by both the Modesto Police and Fire Departments that provides shelter, access to department computer and communication systems and restroom facilities during extended events. This vehicle is marked with the words, Modesto Police Department Command Post and is separated into three areas, the areas include a conference area with white boards and tables, a communications area with radios and computer capabilities and a private interviewing area.
 2. 2001 Ford F550 truck. Cost: \$42,159 This Vehicle is used to pull the 5th wheel trailer Mobile command post. And is marked with "Modesto Police" and has emergency lighting.
- b. Purpose: To be used based on the specific circumstances of a given critical incident, large event, natural disaster, community event or for crime scene management.
- c. Authorized use: The use of the command post vehicles shall only be authorized by a Watch Commander, a designated Incident Commander, SWAT Commander or Crisis Response Unit (CRU) Commander, based on the specific circumstances of a given critical incident. Command Post vehicles shall only be used by officers trained in their deployment and in a manner consistent with department policy and training.
- d. Expected life span: vehicles, 20 years
- e. Fiscal impact: Annual maintenance costs are projected to be approximately \$10,000
- f. Training: all drivers/operators will be trained with in-service training on vehicle operations and practical driving instruction and must be properly licensed through the State of California
- g. Legal procedure rules: use is established under Department Policy 706 (vehicle use) and policy408 (Crisis Response Unit). It is the policy of the Modesto Police Department (MPD) to utilize the mobile command post vehicles only for official law enforcement purposes and in a manner pursuant to state law regarding the operation of motor vehicles.

Category 6- None

Category 7- None

Category 8- None

Category 9

M16A1 Select Fire Rifles: These rifles are used for training purposes only. When used for training these rifles are outfitted with upper receivers that are not capable of firing live 5.56 projectiles.

- a. Description, quantity, capabilities and purchase cost of current M16A1 Select Fire Rifles.
 1. M16A1select fire rifles. Cost: \$0, Quantity:52 These rifles were obtained over 20 years ago through the military Surplus program (LESO). These rifles are only used for training. When used for training the rifles are outfitted with upper receivers that are not capable of firing live 5.56 projectiles.
- b. Purpose: These rifles are for training purposes ONLY by SWAT team members and designated personnel of the Urban Rifle team (URO). These rifles are not used outside of a training environment.
- c. Authorized use: These rifles are for training purposes by SWAT team members and designated personnel of the Urban Rifle team (URO). These rifles are not used outside of a training environment.
- d. Expected life span: 40 years
- e. Fiscal impact: Annual maintenance costs are projected to be approximately \$500
- f. Training: Personnel using these for training have either attended MPD's POST certified 40-hour Urban Rifle course or the POST certified SWAT Basic course
- g. Legal procedure rules: use is established under Department policy 312 (Firearms). It is the policy of the Modesto Police Department (MPD) to utilize the M16A1 rifle only for official law enforcement purposes and in a manner pursuant to state and federal law.

Category 10- None

Category 11- None

Category 12

Flash Bangs, Tear Gas, pepper balls: Flashbangs are devices used to distract and disorientate dangerous persons. Chemical Agent (tear gas) Canisters contain chemical agents that are released when deployed. Pepper balls are a non-lethal projectile that contain a chemical irritant

- a. Description, quantity, capabilities and purchase cost.
 1. Pepper ball FTC Launchers. Cost: \$600 each, Quantity: 5, these launchers are compressed-air powered launchers designed to fire non-lethal Pepper ball projectiles which contain a chemical irritant.

2. Pepper ball Tippman Carbine Launchers. Cost: \$200 each, Quantity: 2, these launchers are compressed-air powered launchers designed to fire non-lethal Pepper ball projectiles which contain a chemical irritant.
3. Pepper ball LIVE projectile. Cost: \$2 per projectile Quantity: 3000. The basic pepper ball projectile contains 2% PAVA pepper powder and is designed for direct impact and area saturation, especially in confined interior spaces. the projectile is a non-lethal chemical irritant.
4. Combined Tactical Systems (CTS) 7290 Mini Flashbang. Cost: \$40 each, Quantity:69. These are non-bursting, non-fragmenting devices that produce a thunderous bang with intense bright light. They are ideal for distracting dangerous subjects in high risk situations.
5. Combined Tactical Systems (CTS)5230 CS Gas Canister. Cost: \$50 each, Quantity: 99, Large diameter canisters that discharge a high volume of smoke and chemical agent through multiple emission ports. Can be thrown or deployed with a launching delivery system.
6. Combined Tactical Systems (CTS)4330 40mm CS Liquid Barricade Ferrett rounds. Cost: \$25Each, Quantity: 95, These rounds are CS filled projectiles that are used to penetrate intermediate barriers and deliver irritant agents into adjacent rooms. They are used to dislodge barricaded subjects from confined spaces. The purpose is to minimize risks to all persons through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous persons.
7. Defense Technology40mm warning/signaling munition #6029WS. Cost: \$45 each, Quantity:16. These are 40mm launched warning/signaling munitions that deliver 170 dB of sound and bright light
8. CTS 40 MM Aerial Warning Signal Flashbang #4090. Cost: \$40 each Quantity: 3 These are 40mm launched warning/signaling munitions that deliver intense sound and bright light and are fired above a crowd during a riot situation.
9. CTS #4233 40 mm Riot CS Smoke canisters. Cost: \$45 each Quantity: 38 These are 40mm launched CS smoke munitions emit CS Chemical irritant and smoke during a riot/Civil disorder situation.
10. CTS #6210 White Smoke Canister. Cost: \$35 each, Quantity:18 These white smoke canisters are used for obstructing tactical movement and for signaling and marking a landing zone during any air operations. These are thrown manually
11. CTS #6340 OC Aerosol Canisters. Cost: \$45 each, Quantity:14 These canisters deliver an invisible OC (Chemical irritant) and renders a Temporary respiratory effect on non-complaint subjects. These are thrown manually

- b. Purpose: Flashbangs are a distraction device used to distract dangerous subjects during hostage recues, room entries or other high-risk situations. They produce atmospheric over-Pressure and brilliant white light and as a result can cause short term (6-8 seconds) sensory deprivation to give officers a tactical advantage and increase officer safety. Chemical agent canisters are designed to limit the escalation of conflict and improve officer safety in high risk situations. Situations for use of Chemical agent systems may include but are not limited to
 - 1. Self-Destructive, dangerous and/or combative subjects
 - 2. Riot/crowd control and civil unrest incidents
 - 3. Circumstances where a tactical advantage can be obtained
 - 4. Potentially vicious animals
 - 12. Training exercise and/or approved demonstrations
- c. Authorized use: The use of the Chemical Agent munitions and delivery systems are authorized to be used only by officers who have been trained by POST certified Less Lethal and chemical agent instructors. They can only be used by officers trained in their deployment and in a manner consistent with department policy and training.
- d. Expected life span: Pepper ball Launchers:20 years, Pepper ball projectiles: 2 years, Flashbangs: No expiration date. Chemical Agents/Tear gas: 5 years
- e. Fiscal impact: There are no projected Annual maintenance costs
- f. Training: The use of the Chemical agent munitions and delivery systems are authorized to be used only by officers who have been trained by POST certified Less Lethal and chemical agent instructors. The use of flashbangs is authorized to be used by officers of the SWAT team and who are trained in their deployment by POST certified instructors and in a manner consistent with department policy and training.
- g. Legal procedure rules: use is established under Department Policy 300 (use of force) and policy308 (Control devices). It is the policy of the Modesto Police Department (MPD) to utilize Chemical agents, their delivery systems and flash bangs only for official law enforcement purposes and in a manner pursuant to state and federal law.

Category 13- None

Category 14

Projectile Launch munitions and Platforms: 40mm Launchers are utilized by Department personnel as a tear gas delivery system and as a Less lethal tool to launch impact rounds. The Less Lethal shotguns are used to deploy the Less Lethal 12-gauge Super-Sock Beanbag Impact round.

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

1. Remington 870 Less Lethal Shotgun. Cost: \$600 each, Quantity: 37, The Remington 870 Less Lethal Shotgun is designated as such with High Visibility Bright Orange Stocks and Foregrips. They are used to deploy the Less Lethal Super-Sock Impact rounds up to a distance of 75 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.
2. 12 Gauge Super-sock Bean Bag Impact round. Cost: \$5 per round, Quantity:350. These rounds are a 12-gauge shotgun round firing a ballistic fiber bag filled with 40 grams of lead shot at a velocity of 290 feet per second. These are considered impact weapons and provide accurate and effective performance when fired from the approved distance of not less than 5 feet. Effectiveness depends on many variables such as distance, clothing, stature and the area the projectile impacts.
3. Defense technology 40mm Single shot launcher. Cost: \$1,000 each, Quantity: 2, The 40mm Single Shot Launcher is a tactical launcher. It will fire standard 40mm Less Lethal Ammunition and gas munitions. These are only authorized to be used by SWAT personnel and specifically designated members of the Mobile Field Force (MFF).
4. LMT 40mm Single shot launcher. Cost: \$1,000 each, Quantity: 4, The 40mm LMT Single Shot Launcher is a tactical launcher. It will fire standard 40mm Less Lethal Ammunition and gas munitions. These are only authorized to be used by SWAT personnel and specifically designated members of the Mobile Field Force (MFF).
5. CTS 40MM foam baton munition # 4557. Cost: \$35 each, Quantity 19: These munitions are a 40mm launched spin stabilized less lethal direct impact munition.
6. Defense technology 40mm Stinger Rubber Ball rounds Cost: \$25 each, Quantity: 19, These munitions are a 40mm launched less lethal impact munition. Used for crowd/riot and civil disorder management. Each round contains approx. 18 60 mm rubber balls.
- b. Purpose: Less Lethal munitions are designed to limit the escalation of conflict where employment of lethal force is prohibited or undesirable. Situations for use of less lethal weapon systems may include but are not limited to
 5. Self-Destructive, dangerous and/or combative subjects
 6. Riot/crowd control and civil unrest incidents
 7. Circumstances where a tactical advantage can be obtained
 8. Potentially vicious animals
 9. Training exercise and/or approved demonstrations
- c. Authorized use: The use of the less lethal munitions and delivery systems are authorized to be used only by officers who have been trained by POST certified Less Lethal instructors. They can only be used by officers trained in

their deployment and in a manner consistent with department policy and training.

- d. Expected life span: Bean bag shotguns:25-30 years, Bean bag munitions: no listed expiration, 40 mm launchers: 20 years
- e. Fiscal impact: Annual maintenance costs are projected to be approximately \$2,000
- f. Training: The use of the less lethal munitions and delivery systems are authorized to be used only by officers who have been trained by POST certified Less Lethal instructors during in service training.
- g. Legal procedure rules: use is established under Department Policy 300 (use of force) and policy 308 (Control devices). It is the policy of the Modesto Police Department (MPD) to utilize less lethal munitions and delivery systems only for official law enforcement purposes and in a manner pursuant to state law regarding the operation of motor vehicles.

Category 15- None