



# San Francisco Sheriff's Office

## Equipment Use of Inventory – October 2022

### San Francisco Sheriff's Office

#### Equipment Inventory, Cal. Gov. Code Section 7070

October 2022

<b>A. Unmanned, remotely piloted, powered aerial or ground vehicles</b>	
<b>1. Description</b>	<p><b>Product Name/Description:</b> DJI Mavic 2 Enterprise (Dual) w/ Smart Controller and DJI Enterprise Shield Basic</p> <p><b>Expected Lifespan: 5 years</b></p>
<b>2. Purpose of Use</b>	<p>Built upon the Mavic 2 flight platform, the Mavic 2 Enterprise with DJI Smart Controller from DJI is an advanced, enterprise-level drone solution for demanding applications. Authorized use cases include:</p> <ul style="list-style-type: none"> <li>i. Critical Incidents</li> <li>ii. Search and Rescue</li> <li>iii. Natural or Manmade Disaster Response</li> <li>iv. Training</li> <li>v. Community Engagement</li> </ul>
<b>3. Fiscal Impact</b>	<b>N/A Only Initial cost \$4800.00</b>
<b>4. Legal and Procedural Rules</b>	<p><b>Sheriff's Office Unmanned Aircraft System (UAS) Policy</b></p> <p>Use of vision enhancement technology (e.g., thermal and other imaging technology) is permissible only in areas where there is no reasonable expectation of privacy, or when in compliance with a search warrant or court-order. In all other instances, legal counsel should be consulted.</p> <ul style="list-style-type: none"> <li>a. Only authorized Operators shall be permitted to deploy the UAS.</li> <li>b. UAS Operators shall obtain supervisor approval prior to conducting a UAS deployment.</li> <li>c. UAS operations shall only be conducted in accordance with the San Francisco Sheriff's Department FAA Certificate of Waiver or Authorization (COA), or within the guidelines set out in Title 14 CFR, Part 107 (Code of Federal Regulations.)</li> <li>d. UAS deployment should be considered on a case by case basis under the criteria for authorized use such as</li> </ul>

	during specific incidents when an aerial view would assist officers or Incident commanders.
<b>5. Training</b>	<p>Training will be conducted within established guidelines to ensure operators acquire and maintain proficient UAS skills and knowledge of regulations and safe operating procedures. Only Operators who have completed the required training shall be authorized to operate the UAS. Part 107 Certified / FAA requirement.</p> <p><b>There are no POST Training Requirements</b></p>

**B. Command and control vehicles that are either built or modified to facilitate the operational control and direction of public safety units.**

<b>1. Description</b>	<b>Product Name/Description:</b> 2013 Ford F59 <b>Expected Lifespan:</b> 100,000 miles
<b>2. Purpose of Use</b>	Equipment transport
<b>3. Fiscal Impact</b>	Initial cost \$135,000.00. Estimated annual cost of maintenance (not including repairs): \$740.00.
<b>4. Legal and Procedural Rules</b>	As needed to transport equipment
<b>5. Training</b>	Commercial license Current Class C License

**B. (cont.) Command and control vehicles that are either built or modified to facilitate the operational control and direction of public safety units.**

<b>1. Description</b>	<p><b>Product Name/Description:</b> 2012 Freightliner MT55 2012 Freightliner Chassis</p> <ul style="list-style-type: none"> <li>· Cummins Engine</li> <li>· Addison Transmission</li> <li>· 60 Gallon diesel tank</li> <li>· Generator will draw from gas tank until 25% level</li> <li>· Height: 12 ft</li> <li>· Length: 39.5 ft</li> <li>· Width: 8 ft</li> <li>· Weight: 27,940 lbs</li> <li>· GVWR: 30,000 lbs</li> </ul> <p><b>Expected Lifespan:</b> 200,000 miles</p>
<b>2. Purpose of Use</b>	Mobile Command Operations
<b>3. Fiscal Impact</b>	Initial cost \$580,000.00. Estimated annual cost of maintenance (not including repairs): \$6,105.00.
<b>4. Legal and Procedural Rules</b>	2013 SFSO Mobile Command Unit Operations Procedures

<b>5.Training</b>	Current Class B License
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<b>C. Battering rams, slugs and breaching apparatuses that are explosive in nature</b>	
<b>1.Description</b>	<p><b>Breaching Slugs</b> Royal Arms International- Compressed Copper Powder 425 Grains <b>Expected lifespan: N/A</b></p>
<b>2. Purpose of Use</b>	Breaching slugs are used to defeat locked, barricaded or fortified locations allowing deputies to conduct rescues or high-risk forcible entries during high risk and critical incidents. Breaching slugs shall not be utilized outside of training, criminal apprehensions, critical incidents, exigent circumstances or executing a warrant.
<b>3.Fiscal Impact</b>	Initial Cost: n/a Estimated annual cost to maintain the equipment: \$987.75
<b>4. Legal and Procedural Rules</b>	SFSD-02-06 Shotgun policy, SFSD-300 Use of Force, SFSO Directive 08072022-1
<b>5. Training</b>	SRT members identified as “Breachers” must complete a Shotgun Breacher Course prior to deploying Breacher slugs. Ongoing training that emphasizes the safe use of ballistic breaching throughout the training cycle.

<b>D. “Flashbang” grenades and explosive tools, “tear gas”, excluding standard, service-issued handheld pepper spray</b>	
<b>1.Description</b>	<b>PRODUCT NAME/DESCRIPTION</b>
<b>Flash Bang Grenade/ Tear Gas</b>	<p><b>Combined Tactical Systems- 7290</b> The 7290 produces a 165-180db and 6-8 million candela of light output. The patented design of the 7290, incorporates a porting system that eliminates movement of the body at detonation even if the top or bottom of the device should be in contact with a hard surface. In addition, internal adjustments have greatly reduced smoke output. Flash Bangs are used by special tactical units during hostage rescue and high-risk warrants. It is an ATF-controlled Class-C explosive device that emits a bright light and thunderous noise to distract potentially dangerous individuals. <b>Defense Technologies 1016</b></p>

	<p>The Pocket Tactical CS Grenade is small, and lightweight. The 0.9 oz. of active agent will burn approximately 20-40 seconds. At 4.75 in. by 1.4 inches in size, it easily fits in most tactical pouches. Though this device is slightly over four inches in length, it produces a smoke cloud so fast it appears to be an enveloping screen produced by a full size tactical grenade.</p> <p><b>Expected Lifespan: 5 years</b></p>
<b>2.Purpose of Use</b>	<p>Flashbangs are used as a distraction device to disorient or divert the suspect'(s) attention away from deputies. This can allow deputies to gain safer access to a high-risk situation, giving extra time to assess and analyze threats. This can prevent injury to citizens and deputies. These devices can often lead to a safer resolution and allow deputies to take a suspect into custody without a higher level of force. There is no known alternative to a flash bang when it is necessary.</p> <p>Chemical agents may be used in criminal apprehensions and control situations (in critical incidents and other circumstances that require the use of chemical agents to protect life and public safety.)</p>
<b>3.Fiscal Impact</b>	<p>Flash Bang: \$2380.00 (\$47.60 per unit)  Defensive Technologies 1016 : \$735.00 (\$29.40 per unit)</p>
<b>4. Legal and Procedural Rules</b>	SFSO Directive 08072022-2, SFSD – 300 Use of Force.
<b>5. Training</b>	SRT has Chemical Agent Instructors that must complete a 40hr. Chemical Agent Instructor Course.

**E. Projectile launch platforms and their associated munitions: 37mm and 40mm projectile launchers, and specialty impact munition (SIM) weapons.**

<b>1.Description</b>	<p><b>40mm Launchers</b>  CTS 4340 OC Liquid Barricade  CTS 4431 Powder Barricade  CTS 4441 OC Powder Barricade  CTS 4557 Foam Baton</p> <p><b>37mm ARWEN Mark III Launcher</b>  AR-1 ARWEN Impact Baton, Standard Energy</p> <p><b>Expected lifespan: N/A</b></p>
<b>2. Purpose of Use</b>	<p><b>40mm Launcher</b>  The 40 mm launcher affords the ability to use less lethal chemicals and impact munitions. This is designed to fire a</p>

	<p>projectile to temporarily incapacitate a subject and is considered a less-lethal weapon.</p> <p>Chemical agents are specifically formulated smokes, liquids and powders designed to temporarily disable a person by causing irritation of the mucous membrane, eyes and skin. They may be a less lethal force option and significantly reduce the risk of injury to citizens, suspects and deputies. These agents may be used in criminal apprehensions and critical incidents.</p> <p><b>37mm ARWEN Mark III Launcher</b></p> <p>The Arwen is a shoulder fired 37 MIM rotary magazine weapon that is capable of firing a kinetic energy baton. It is intended to provide a possible alterative level of force than conventional firearms.</p> <p>The ARWEN 37 weapon is light: 3.11kg (6lb, 14oz) unloaded or 3.83kg (8lb, 4oz) loaded with 5 AR-1 baton rounds; finished in matte black and, because of its design, is very safe. It is very easy to use, being suitable for right or left-handed operators of any height or build.</p> <p>The AIR-1 Less Lethal baton is a standard energy impact round. This round is primarily used as a kinetic energy less lethal force option.</p>
<p><b>3.Fiscal Impact</b></p>	<p><b>Initial Cost:</b></p> <p>CTS 4340 OC Liquid Barricade: \$1104.50 (\$22.09 per unit)</p> <p>CTS 4431 Powder Barricade \$1148.50 (\$22.97 per unit)</p> <p>CTS 4441 OC Powder Barricade \$1148.50 (\$22.97 per unit)</p> <p>CTS 4557 Foam Baton \$3800.00 (19.00 per unit)</p> <p>AIR-1 ARWEN Impact Baton, Standard Energy \$9,649.28 (\$24.99 per unit)</p>
<p><b>4.Legal and Procedural Rules</b></p>	<p>SFSO Directive 08072022-3, SFSO Use of Force, ARWEN 37mm- SFSD 02-04 Projectile Impact Weapon</p>
<p><b>5.Training</b></p>	<p>SRT Members must complete training prior to deploying chemical agents by means of a 40mm launcher.</p> <p>ESU members must complete a Less Lethal Munitions class once every two years before deploying a 37mm ARWEN</p>

F. Specialized firearms and ammunition of less than .50 caliber, including assault weapons as defined in Sections 30510 and 30515 of the Penal Code, with the exception of standard issue service weapons and ammunition of less than .50 caliber that are issued to officers, agents, or employees of a law enforcement agency or a state agency.

<p><b>1. Description</b></p>	<p>The 5.56mm rifle is a firearm capable of accurately stopping an armed subject at various distances. The rifle is a lightweight, air-cooled, gas-operated, magazine-fed, shoulder-fired weapon designed for either semiautomatic or select fire.</p> <p><b>Expected Lifespan: N/A Repair and replace as necessary</b></p>
<p><b>2. Purpose</b></p>	<p>To provide deputies with an accurate weapon to address a threat with more precision and range than a pistol. Qualified deputies may also deploy the rifle in situations where he or she reasonably believes that a suspect may be armed and or wearing body armor.</p>
<p><b>3. Fiscal Impact</b></p>	<p>Initial Cost: \$1900 Quantity: 73 department owned</p>
<p><b>4. Legal and Procedural Rules</b></p>	<p>SFSD 03-05 Rifles/Submachineguns</p>
<p><b>5. Training</b></p>	<p>Deputies who have completed a POST certified training regarding short-barrel rifles and possess a current qualification may deploy a rifle.</p>

**F. (cont.) Specialized firearms and ammunition of less than .50 caliber, including assault weapons as defined in Sections 30510 and 30515 of the Penal Code, with the exception of standard issue service weapons and ammunition of less than .50 caliber that are issued to officers, agents, or employees of a law enforcement agency or a state agency.**

<p><b>1. Description</b></p>	<p>The 7.62mm rifle is a firearm capable of accurately stopping an armed subject at various distances. The rifle is a magazine-fed, shoulder-fired weapon designed for semiautomatic fire. It has a short-stroke gas piston system that offers reliability and easy maintenance.</p> <p>Monoforge™ upper receiver with integrated rail-base is stronger than the standard-pattern upper. Black Nitride treated LWRCI™ heavy-profile barrel is precisely torqued to a consistent torque setting. Cold hammer forged 1:10 twist stabilizes a wide range of bullet types. Fully-ambidextrous lower receiver controls include the bolt catch and release, the magazine release, and the safety selector. Geissele® SSA-E 2-Stage Precision Trigger.</p> <p><b>Expected Lifespan: N/A Repair and replace as necessary</b></p>
<p><b>2. Purpose</b></p>	<p>To provide deputies with an accurate weapon to address a threat with more precision and range than a pistol. Qualified deputies may also deploy the rifle in situations where he or she reasonably believes that a suspect may be armed and or wearing body armor.</p>
<p><b>3. Fiscal Impact</b></p>	<p>Initial Cost: \$5000 Quantity: 4 department owned</p>
<p><b>4. Legal and Procedural Rules</b></p>	<p>SFSD 03-05 Rifles/Submachineguns</p>
<p><b>5. Training</b></p>	<p>Special Response Team deputies who have been identified as a sniper by the SRT commander and having completed a designated marksman course, completed a POST certified training regarding short-barrel rifles and possess a current qualification may deploy a 7.62 rifle.</p>