

GRASS VALLEY POLICE DEPARTMENT

MILITARY EQUIPMENT

Section 1. Unmanned, remotely piloted, powered aerial or ground vehicles

Description, purpose, authority, capabilities:

Utilized in accordance with FAA Part 107 regulations. GVPD operates UAS/UAV/Drones that are equipped with both standard, zoom and thermal imaging cameras and advanced GPS technology that is utilized during the search for wanted subjects in remote areas, monitoring active incidents from a distance, locating lost or missing individuals, assisting with firefighting operations, documenting crime/accident scenes, and creating public relations content.

DJI Manufacturer Definitions:

***Mission Situational Awareness-** Provide incident commanders with accurate, real-time insight as missions unfold, empowering decisions to be made with confidence.*

***Collision Reconstruction and Forensics-** Rapidly and remotely map, document, and preserve crime scenes, vehicle collisions, and more, while simultaneously keeping operators from harm's way.*

***How Drones Elevate Mission Situational Awareness-** Deploy to rapidly arrive on scene and gain immediate aerial insights. - Hover above unfolding missions and live stream updates directly to command centers. - Synchronize teams, eliminate uncertainty, and allow decisions to be made with confidence.*

DJI Matrice 210 Usage – Search and rescue, Fire aid, agency assistance, scene documentation, surveillance

DJI Mavic II Enterprise Pro Usage – Search and rescue, Fire aid, agency assistance, scene documentation

DJI Spark Usage – Training, media creation, public relations

SKYDIO – Training, media creation, public relations

Refer to Grass Valley Police Department Lexipol Policy
Unmanned Aerial Systems (UAS) #613

Section 2: Mine-resistant ambush-protected (MRAP) vehicles or armored personnel carriers. However, police versions of standard consumer vehicles are specifically excluded from this subdivision.

- Not Utilized

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Section 3: High mobility multipurpose wheeled vehicles (HMMWV), commonly referred to as Humvees, two and one-half-ton trucks, five-ton trucks or wheeled vehicles that have a breaching or entry apparatus attached. However, unarmored all-terrain vehicles (ATVs) and motorized dirt bikes are specifically excluded from this subdivision.

- Not Utilized

Section 4: Tracked armored vehicles that provide ballistic protection to their occupants and utilize a tracked system instead of wheels for forward motion.

- Not Utilized

Section 5: Command and control vehicles that are either built or modified to facilitate the operational control and direction of public safety units.

- Not Utilized

Section 6: Weaponized aircraft, vessels, or vehicles of any kind.

- Not Utilized

Section 7: Battering rams, slugs, and breaching apparatuses that are explosive in nature. However, items designed to remove a lock, such as a bolt cutters, or a handheld ram designed to be operated by one person, are specifically excluded from this subdivision.

- Not Utilized

Section 8: Firearms of .50 caliber or greater. However, standard issue shotguns are specifically excluded from this subdivision.

- Not Utilized

Section 9: Ammunition of .50 caliber or greater. However, standard issue shotgun ammunition is specifically excluded from this subdivision.

- Not Utilized

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Section 10: 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 state agency.

Less Lethal 12guage shotgun – “Orange” shotgun

Description, purpose, authority, capabilities:

Remington 870 shotgun: The “Orange” shotgun is outfitted with an orange stock, and orange fore-end to designate its use as a “Less Lethal” shotgun. The Less-Lethal shotgun is capable of launching a 12 gauge caliber “Bean bag,” from designated munitions at a subject between distances of 20 feet to 75 feet. The use of the Less-Lethal shotgun allows officers to engage a subject, in a non-lethal manor, do disarm, dissuade from force, or distract a subject to gain a tactical advantage. The Less-Lethal shotgun is a “Pump action,” which allows the Officer to assess after every spent munition.

Magpul Manufacturer Definitions:

The SGA Stock is an ambidextrous, user-configurable buttstock designed to add much-needed adjustability to the tried-and-true Remington 870 12-gauge shotgun. Featuring a spacer system for length of pull adjustment, improved grip ergonomics, recoil-reducing butt-pad, optional cheek risers for use with optics / raised sights, and other accessories,

The SGA 870 brings Magpul design and engineering to another classic American firearm. Available in Black, Flat Dark Earth, Stealth Gray and Orange to adapt to the mission at hand.

Defense Technologies Drag Stabilized Rounds Manufacturer Definitions:

The 12-Gauge Drag Stabilized™ Round is comprised of a translucent 12-Gauge shell loaded with a 40 gram, tear shaped bag made from a cotton and ballistic material blend and filled with #9 shot. This design utilizes four (4) stabilizing tails. The 12-Gauge Drag Stabilized™ Round utilizes smokeless powder as the propellant.

Defense Technologies Rubber Buckshot Manufacturer Definitions:

The Stinger® 12-Gauge Round has evolved from the Defense Technology® design of the 23RP. It is a translucent 12-Gauge shell loaded with approximately eighteen 32-Caliber rubber balls. The Stinger utilizes smokeless powder as the propellant. The 12-Gauge Stinger is generally considered a low to medium pain compliance round for close range deployment. The round has a maximum effective range of approximately 25 feet and a velocity of 500 fps/91 mph.

Defense Technologies Liquid Barricade round Manufacturer Definitions:

The Ferret® 12-Gauge Liquid CS non pyrotechnical properties also eliminate the fire hazard common with other products. The Ferret round is available with either liquid or powder carriers for the agent. These munitions are a 2.5 in. 12-Gauge round deploying .025 oz. of active agent.

Refer to Grass Valley Police Department Lexipol

Use of Force #300

Control and Device Techniques #307

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Section 11: Any firearm or firearm accessory that is designed to launch explosive projectiles.

- Refer to Section 14. No **explosive** projectiles utilized.

Section 12: “Flashbang” grenades and explosive breaching tools, “tear gas,” and “pepper balls,” excluding standard, service-issued handheld pepper spray.

Flashbang:

Description, purpose, authority, capabilities:

A Noise Flash Diversionary Devices (NFDD) is utilized to distract and individual or individuals through a loud bang, accompanied by a bright flash causing temporary disorientation to vision and senses, allowing officers a tactical advantage during high-risk or hostage rescue operations.

To produce atmospheric over-pressure and brilliant white light and, as a result, can cause short-term (6 – 8 seconds) physiological/psychological sensory deprivation to give officers a tactical advantage.

Diversionary Devices shall only be used by trained personnel with supervisor approval, for incidents including but not limited to, hostage and barricaded subject situations, high risk warrant (search/arrest) services and training exercises.

CTS Mini Bank Manufacturer Definitions:

7290M – The CTS 7290M Mini Flash-Bang is the newest generation in the evolution of the Flash-Bang. Our Model 7290M Flash-Bang exhibits all of the same attributes of it’s larger counterpart but in a smaller and lighter package. Weighing in at just 15 ounces the new 7290M is approximately 30% lighter than the 7290 but still has the same 175db output of the 7290 and produces 6-8 million candela of light. The patented design of the 7290M, 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.

Tear gas:

Description, purpose, authority, capabilities:

Chemical agent munitions, which are commonly referred to as “tear gas,” are used by the Grass Valley Police Department as a non-lethal tool to disperse rioting suspects and for barricaded suspects.

CS (2-Chlorobenzylidenemalononitrile) and OC (Oleoresin Capsicum), CS is an irritating agent and lachrymator (irritates the eyes and causes tears to flow). CS has been medically tested in the UK and US, specifically by the U.S. Army. There are no known allergic reactions to CS. OC was de-regulated in California in 1996, is endorsed by the FBI, and is available to civilians to legally possess (2.5oz or less). OC is an inflammatory agent which causes involuntary closure of eyes (open in 2-5 minutes) and respiratory inflammation (subsides in approximately 2 minutes).

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Use and purpose is 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: Self-destructive, dangerous and/or combative individuals, for crowd control if the use is objectively reasonable to defend against a threat to life or serious bodily injury to any individual, including an officer, or to bring an objectively dangerous and unlawful situation safely and effectively under control (Penal Code § 13652).

40mm CTS Liquid CS Manufacturer Definitions:

*4330 – Liquid CS filled projectile penetrates intermediate barriers and delivers irritant agents into an adjacent room. *Effectiveness is dependent upon the type of weapon, angle of impact, environmental conditions, and the type of the intermediate barrier. The greatest probability for penetration occurs when the projectile impacts 90° perpendicular to the intermediate barrier. General usage in tactical situations involves intermediate barriers, such as single pane exterior windows, vehicle windows, pressed wood particle doors, 1-2 layers of wallboard, and interior hollow core doors.*

Refer to Grass Valley Police Department Lexipol Policy

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Section 13: Taser Shockwave, microwave weapons, water cannons, and the Long-Range Acoustic Device (LRAD).
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Not utilized

Section 14: 40mm projectile launchers, “bean bag,” rubber bullet, and specialty impact munition (SIM) weapons
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40mm projectile launchers:

Description, purpose, authority, capabilities:

40mm LMT Launcher: The LMT Launcher is not a firearm, but a Less-Lethal system that uses smokeless powder to deliver 40MM projectiles from a safe distance. The Less-Lethal launcher is capable of launching 40MM munitions at a subject up to 120 feet (40 yards). The Less-Lethal launcher is a single launcher, which allows the Officer to assess after every spent munition.

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: Self-destructive, dangerous and/or combative individuals. Riot/crowd control and civil unrest incidents. Circumstances where a tactical advantage can be obtained. Potentially vicious animals. Training exercises or approved demonstrations.

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

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Defense Technology 40mm LMT launcher Manufacturer Definitions:

Manufactured exclusively for Defense Technology®, the 40LMTS is a tactical single shot launcher that features an expandable ROGERS Super Stoc and an adjustable Integrated Front Grip (IFG) with light rail. The ambidextrous Lateral Sling Mount (LSM) and QD mounting systems allow both a single and two point sling attachment. The 40LMTS will fire standard 40mm less lethal ammunition, up to 4.8 inches in cartridge length. The Picatinny Rail Mounting System will accept a wide array of enhanced optics/sighting systems.

Defense Technologies eXact Impact 40mm sponge round Manufacturer Definitions:

The eXact iMpack™ 40 mm Sponge Round is a point-of-aim, point-of-impact direct-fire round. This lightweight, high-speed projectile consisting of a plastic body and sponge nose that is spin stabilized via the incorporated rifling collar and the 40 mm launcher's rifled barrel. The round utilizes smokeless powder as the propellant, and, therefore, have velocities that are extremely consistent. Used for Crowd Control, Patrol, and Tactical Applications.

Defense Technologies 37mm/ 40mm bean bag round Manufacturer Definitions:

The 37/40 mm Bean Bag Round is a direct fired munitions that contains one silica sand-filled nylon bag and utilizes smokeless powder as the propellant. Designed for departments that utilize both 37/40 mm launchers, allowing sharing of ordinance between the two weapon systems. Suitable for administering a means of pain compliance over a greater distance than most of its counterparts. Widely used when there is a need to target individual instigators.

Refer to Grass Valley Police Department Lexipol Policy

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Section 15: Any other equipment as determined by a governing body or state agency to require additional oversight.

Not Utilized

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Mandated Training and Training Requirements. (Gov. Code Section 7070(d)(5))

Section 1 Training requirements:

The Federal Aviation Administration (FAA) requires pilots of an Unmanned Aircraft Systems (UAS) to obtain a CFR Part 107 Small Unmanned Aircraft Systems Certificate prior to the operation or flight of a UAS, in a commercial capacity. The FAA further requires pilots to pass a Knowledge Test at an FAA-approved Knowledge Testing Center to obtain this certificate.

Sections 10, 12 and 14 Training Requirements:

SAFARILAND / DEFENSE TECHNOLOGY - 4 DAY LESS LETHAL ICP INSTRUCTOR COURSE

OC Aerosol Projectors Instructor Program

- * OC Aerosol Formulations/carriers/propellants/delivery systems/projectors
- * Effectiveness/safety/liability factors/policy and procedures
- * Decontamination/first aid/Officer-survival techniques
- * Instructor development to establish in-house/in-service training and documentation skills

Less Lethal Impact Munitions Instructor Program

- * Less Lethal Impact Munitions Weapons and munitions: 12ga./37mm/40mm/hand delivered
- * Tactical consideration in the use of impact munitions in crowd-control/dynamic-entry/hostage-rescue/barricaded-subject situations
- * Physiological/psychological effects Liability consideration/policy and procedures
- * Blunt trauma/ballistics and energy Instructor development to establish in-house/in-service training and documentation skills

Chemical Munitions Instructor Program (CN/CS/OC/Smoke)

- * Chemical Munitions types and forms of chemical agents
- * Tactical consideration in the use of chemical munitions in crowd-control/barricaded-subject situations
- * Live Deployment of barricade penetrating rounds
- * Decontamination/first aid
- * Proper use of Protective Mask Criminal and civil liabilities/policy and procedures
- * Instructor development to establish in-house/in-service training and documentation skills

Distraction Device Munitions Instructor Program

- * Distraction Device types and nomenclature/reloadable and non-reloadable devices/Command Initiated
- * Decibels/candela/PSI/overpressure
- * Handling/storage/rendering safe
- * Tactical deployment/safety considerations/policy and procedures
- * Criminal and civil liabilities Live-firing exercises/operational scenarios Instructor

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development to establish in-house/in-service training and documentation skills Prerequisites & Required Equipment. Each attendee must be in good physical condition and able to perform the practical exercises associated with tactical applications with the use of these products.

The Safariland Training Group trains only sworn law-enforcement officers, correctional personnel, state-licensed security personnel (OC only) or active military personnel.

****All GVPD Officers are required to be certified by a certified instructor on the deployment of Less Lethal Munitions (Sections 10, 12, 14) prior to authorized use.**