



2022 AB481 Military Equipment Annual Report

Nevada County Sheriff's Office

<https://nevadacountyca.gov/3451/Sheriff>

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Nevada City, Ca. 95959

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AB 481

Summary

Effective January 1, 2022, AB 481 requires that California law enforcement agencies that have received their governing body approval of a military equipment use policy, publish an annual report within a year of approval for each type of military equipment in their inventory, and annually thereafter while used. The Nevada County Board of Supervisors approved our Military Equipment Use policy on April 26, 2022.

Requirements

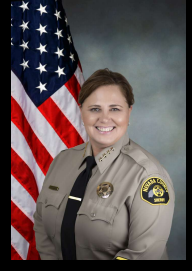
LE agency must make each annual report publicly available on its website if equipment is available for use. The report must include:

- A summary of how the military equipment was used and the purpose of its use.
- A summary of any complaints or concerns received concerning the military equipment.
- The results of any internal audits and any information about violations of the military equipment use policy, and any actions taken in response.
- 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.
- The quantity possessed for each type of military equipment.
- If the law enforcement agency intends to acquire additional military equipment in the next year, the quantity sought for each type of military equipment.

Within 30 days of submitting and publicly releasing an annual military equipment report pursuant to this section, the law enforcement agency shall hold at least one well-publicized and conveniently located community engagement meeting, at which the public may discuss and ask questions regarding the annual military equipment report and the law enforcement agency's funding, acquisition, or use of military equipment.

MISSION STATEMENT:

“The Nevada County Sheriff’s Office is committed to providing excellence in public service in partnership with our community.”



“Military Equipment” used by Law Enforcement is defined in this code as:

- UAS or drones
- MRAPs or armored personnel carriers
 - Police versions of standard consumer vehicles excluded.
- Humvees, or wheeled vehicles with breaching or entry apparatus attached.
- Tracked armored vehicles providing ballistic protection.
- Command and control vehicles that are either built or modified to facilitate the operational control and direction of public safety units.
- Weaponized aircraft, vessels, or vehicles of any kind.
- Battering rams, slugs, and breaching apparatuses that are explosive in nature. However, items designed to remove a lock, such as bolt cutters, or a handheld ram designed to be operated by one person, are specifically excluded from this subdivision.
- Firearms of .50 caliber or greater. However, standard issue shotguns are specifically excluded from this subdivision.
- Ammunition of .50 caliber or greater. However, standard issue shotgun ammunition is specifically excluded from this subdivision.
- Specialized firearms and ammunition of less than .50 caliber, including assault weapons as defined in Sections 30510 and 30515 of the Penal Code, except for 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.
- Any firearm or firearm accessory that is designed to launch explosive projectiles.
- “Flashbang” grenades and explosive breaching tools, “tear gas,” and “pepper balls”, excluding standard, service-issued handheld pepper spray.
- Taser Shockwave, microwave weapons, water cannons, and the Long-Range Acoustic Device (LRAD).

- The following projectile launch platforms and their associated munitions: 40mm projectile launchers, “bean bag,” rubber bullet, and specialty impact munition (SIM) weapons.
- Any other equipment as determined by a governing body or a state agency to require additional oversight.

Does not include general equipment not designated as prohibited or controlled by the federal Defense Logistics Agency.



INVENTORY

MRAP - Mine Resistant Ambush Protected Vehicle

- Capabilities: Light tactical vehicles produced as part of the MRAP program that are designed specifically to withstand improvised explosive device (IED) attacks and ambushes. The purpose of the MRAP armored vehicle is to provide ballistic protection to law enforcement and citizens from gunfire. The armored vehicle stops rifle rated rounds including .50 caliber which is commercially available and beyond the protection level of shield and personal body armor possessed by the office. It can be utilized by trained personnel to rescue downed law enforcement and citizens. Protecting law enforcement allows them to contain the suspect and reduce the immediacy of the threat while communicating and de-escalating as required per the office's policies. Critical Incident Negotiations Team (CINT) members operate from inside the armored vehicles during search warrant and SWAT callouts where they communicate with the suspect and attempt to de-escalate.
- Cost: \$0.00 (Valued at \$733,000)
- Anticipated yearly cost: \$1,500
- Expected life span: 25 years.
- Inventory: 1
- Quantity Sought: 0
- Legal and procedural rules for use: Class B license required to operate the vehicle. The vehicle is only intended to be used during SED approved missions or high-risk operations approved by a supervisor.
- Training: Training is conducted by qualified SED team members



Lenco Bearcat (Ballistic Engineered Armored Response Counterattack Truck)

- **Capabilities:** The Bearcat is a purpose-built armored rescue vehicle, constructed atop a standard Ford F550 Super Duty chassis with ballistic protection for its occupants. The Bearcat armored rescue vehicle can safely carry within it up to 12 fully equipped personnel and requires no special DMV licensing beyond a standard California Class-C driver's license to operate it. This specific Bearcat model, the off-road rated G3, will come equipped with run-flat tires and all the standard emergency lighting and sirens found on law enforcement vehicles. Our Bearcat order will include specialized attachments such as a hydraulic ram plate and tear gas insertion device that will allow us, if circumstances dictate, to safely and mechanically open locked or barricaded doorways, to move heavy barriers and/or introduce tear gas into a structure without having to unnecessarily expose our deputies as we would now. The Bearcat will not be equipped with any offensive weaponry and is essentially an armored personnel transport vehicle allowing for the safe ingress and egress to potentially hostile environments. The Bearcat will only be deployed in conjunction with the Sheriff's Office Special Enforcement Detail and for incidents rising to a certain threshold necessitating its use. Examples of these types of incidents include hostage rescue scenarios, potentially armed and barricaded subjects, rescuing victims, high-risk search warrants, and active shooter incidents.
- **Cost:** \$376,000.00 (Valued at \$376,000)
- **Anticipated yearly cost:** \$3,000
- **Expected life span:** 25 years.
- **Inventory:** 0
- **Quantity Sought:** 1
- **Legal and procedural rules for use:** Class C license required to operate the vehicle. The vehicle is only intended to be used during SED approved training, missions or high-risk operations approved by a supervisor.
- **Training:** Training is conducted by qualified SED team members



Defense Technology - 37 MM Single Launcher

- Capabilities: The 37 mm single launcher is used by law enforcement to deploy less lethal direct impact rounds, Ariel Distraction Devices, CS Ariel Distraction Devices, and smoke rounds. The 37mm single launcher is also used by law enforcement who have been trained in the deployment and use of chemical agents. This system allows us to deploy chemical agents into a structure, vehicle, or area occupied by a barricaded subject forcing them out to a custody team and limiting the likelihood of a force-on-force encounter between law enforcement and suspects in a confined area. The range of the launcher is approximately 75 yards.
- Cost: \$350
- Anticipated yearly cost: \$0
- Expected life span: 30 Years
- Inventory: 5
- Quantity Sought: 0
- Legal and procedural rules for use: Lexipol Policy 303
- Training: To be conducted by a POST certified instructor



Combined Systems LC5 Launching Cup

- Capabilities: These launching cups attach to 12 gauge less lethal shotguns and allow law enforcement to launch canisters of chemical agents or smoke. The use of canisters often minimizes damage to the structure when utilized for deploying chemical agents on a barricaded subject. It also limits the danger to law enforcement deploying gas because they need to deploy vastly fewer canister munitions compared to liquid ferret rounds. Fewer rounds entering the house is also safer for the barricaded suspect.
- Cost: \$315
- Anticipated yearly cost: 0
- Expected life span: 15 years
- Inventory: 1
- Quantity Sought: 0
- Legal and procedural rules for use: Lexipol 303.
- Training: To be conducted by a POST certified instructor



Defense Technology Distraction Device - CONSUMABLE

- Capabilities: Used to temporarily disorient a subject's senses. They are designed to produce a bright flash of light and an intensely loud "bang" to distract a subject and create a tactical advantage to law enforcement making contact.

The flash temporarily activates all photoreceptor cells in the eye, blinding it for approximately five seconds. Afterward, effected subjects perceive an afterimage which impairs their vision. The volume of the detonation also causes temporary deafness in the subject and disturbs the fluid in the ear, causing a loss of balance.

- Cost: \$36.75
- Anticipated yearly cost: \$950
- Expected life span: 3 years
- Inventory: 23
- Quantity Sought: 30
- Legal and procedural rules for use: Lexipol 404 and the SED operations manual
- Training: To be conducted by a POST certified instructor



Combined Tactical Systems Baffled CS smoke grenade (Model 5230B) - CONSUMABLE

- Capabilities: The Baffled CS Grenade is designed specifically for indoor use delivering a maximum amount of irritant smoke throughout multiple rooms with minimal risk of fire. The grenade expels its payload in approximately 20-40 seconds through four gas ports located on the top of the canister. This grenade can be used to conceal tactical movement or to route a suspect concealed in a residence. The volume of smoke and agent is vast and obtrusive. This launchable grenade is 6.0 in. by 2.60 in. and holds approximately 2.7 oz. of active agent.
- Cost: \$45.20
- Anticipated yearly cost: \$950
- Expected life span: 5 years
- Inventory: 24
- Quantity Sought: 30
- Legal and procedural rules for use: Lexipol Policy 303
- Training: To be conducted by a POST certified instructor



Defense Technology green smoke canister (Model 1065) - CONSUMABLE

- Capabilities: The Defense Technology green smoke grenade is designed specifically for outdoor use in crowd control situations with a high-volume continuous burn that expels its payload in approximately 30-40 seconds through four gas ports located on the top of the canister.

This grenade can be used to conceal tactical movements or route a crowd. The volume of smoke and agent is vast and obtrusive. This launchable colored smoke grenade is 6 inches tall by 2.35 inches in diameter and holds approximately 2.9 oz of active agent.

- Cost: \$50.70
- Anticipated yearly cost: \$250
- Expected life span: 5 years
- Inventory: 5
- Quantity Sought: 30
- Legal and procedural rules for use: Lexipol 404 and the SED operations manual
- Training: To be conducted by a POST certified instructor



Defense Technology Spede-Heat 37 mm long-range round, CS canister (Model 1072) - CONSUMABLE

- Capabilities: The Spede-Heat 37mm short range CS round incorporates an aluminum shell and utilizes black powder as the propellant. It is designed to deliver one dual-ported chemical canister from a 37mm launcher 75 yards to the targeted zone.
- Cost: \$33.05
- Anticipated yearly cost: \$140
- Expected life span: 3 years
- Inventory: 4
- Quantity Sought: 30
- Legal and procedural rules for use: Lexipol Policy 303
- Training: To be conducted by a POST certified instructor



Colt, M-16A2 Commando 11.5" rifle

- Capabilities: These rifles fire an intermediate-power cartridge (.223) which is more powerful than a standard pistol but less powerful than a standard rifle. It is a short-barreled rifle which allows SED to better control while inside of structures while still providing great accuracy
- Cost: \$1,200.00
- Anticipated yearly cost: Dependent upon required maintenance which is based on parts malfunctions and replacements.
- Expected life span: 5-7 years
- Inventory: 4
- Quantity Sought: 0
- Legal and procedural rules for use: Lexipol Policy 306
- Training: All SED operators that are assigned a Colt Commando rifle have already been through the POST approved 16-hour office rifle training which qualifies them to carry this rifle. In addition, every SED operator attends an 80-hour POST certified Basic SWAT school where this weapon platform is utilized by that individual operator exclusively. Every SED operator assigned this rifle platform qualifies with it quarterly.



Colt, M-4 Carbine 16" rifle

- Capabilities: These rifles fire an intermediate-power cartridge (.223) which is more powerful than a standard pistol but less powerful than a standard rifle. It has a longer barrel than the Colt Commando rifle which allows for greater accuracy from a further distance. It is a preferable rifle platform for rural operations.
- Cost: \$1,200.00
- Anticipated yearly cost: Dependent upon required maintenance which is based on parts malfunctions and replacements.
- Expected life span: 5-7 years
- Inventory: 8
- Quantity Sought: 0
- Legal and procedural rules for use: Lexipol Policy 306
- Training: All SED operators that are assigned a Colt Commando rifle have already been through the POST approved 16-hour office rifle training which qualifies them to carry this rifle. In addition, every SED operator attends an 80-hour POST certified Basic SWAT school where this weapon platform is utilized by that individual operator exclusively. Every SED operator assigned this rifle platform qualifies with it quarterly.



Heckler & Koch UMP .40 caliber sub-machine gun

- Capabilities: These rifles fire the same munitions as our office issued handguns. It is a lightweight, compact rifle, specifically designed for close quarters.
- Cost: \$2,000.00
- Anticipated yearly cost: Dependent upon required maintenance which is based on parts malfunctions and replacements.
- Expected life span: 5-7 years
- Inventory: 3
- Quantity Sought: 0
- Legal and procedural rules for use:
- Training: All SED operators that are assigned a Colt Commando rifle have already been through the POST approved 16-hour office rifle training which qualifies them to carry this rifle. In addition, every SED operator attends an 80-hour POST certified Basic SWAT school where this weapon platform is utilized by that individual operator exclusively. Every SED operator assigned this rifle platform qualifies with it quarterly.



40MM Defense Technology 6-Shot Launcher (Model Penn Arms PGL-65)

- Capabilities: The 40mm 6-shot launcher is used by law enforcement to deploy Exact Impact 40 mm sponge rounds. The safe effective range for the launcher is 5-131 feet.
- Cost: \$2250
- Anticipated yearly maintenance cost: \$50
- Expected life span: 15 years
- Inventory: 1
- Quantity Sought: 0
- Legal and procedural rules for use: Lexipol Policy 507
- Training: To be conducted by a POST certified instructor



40MM LMT Tactical Single Launcher with expandable stock (Model 1425)

- Capabilities: Manufactured exclusively for Defense Technology®, the 40LMTS is a tactical single shot launcher that features an expandable ROGERS Super Stock 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

- Cost: \$1,077.15
- Anticipated yearly maintenance cost: \$50
- Expected life span: 15 years
- Inventory: 0
- Quantity Sought: 5
- Legal and procedural rules for use: Lexipol Policy 507
- Training: To be conducted by a POST certified instructor



Defense Technology Exact Impact 40mm Standard Range Sponge Round (Model 6325) - CONSUMABLE

- Capabilities: This less lethal impact round is a 40mm sponge tipped round and is deployed from our multi-shot 40mm less lethal device with a range of 5-131 feet.
- Cost: \$28.65
- Anticipated yearly maintenance cost: \$600
- Expected life span: 5 years from date of manufacture
- Inventory: 96
- Quantity Sought: 100
- Legal and procedural rules for use: Lexipol Policy 507
- Training: To be conducted by a POST certified instructor



Recon Scout (Model XT)

- Capabilities: This is a remote-controlled device that can be placed into an area and driven on two wheels. The device has a forward-facing camera, which can be viewed live.
- Cost: \$13,000 in 2011 (valued at \$5,000)
- Anticipated yearly maintenance cost: \$100
- Expected life span: 10 Years
- Inventory: 1
- Quantity Sought: 0
- Legal and procedural rules for use: Typically utilized during exigent circumstances or through execution of a search warrant
- Training: To be conducted by an SED member who is assigned to use the device. No specialized training is required.



Freightliner (Colombia Series Chassis)

- Capabilities: "Command 1" significantly increases the overall effectiveness in command and control of any large-scale event requiring either single agency response, or multi-agency response, thereby increasing public safety.
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- This mobile command unit brings a complete command and control mobile unit to any major or complex incident that may occur in Nevada County. This gives us the ability to monitor and communicate via multiple radio frequencies and secure space to plan critical events.
- Cost: \$416, 854.85
- Anticipated yearly cost: \$5,000
- Expected life span: 25 years
- Inventory: 1
- Quantity Sought: 0
- Legal and procedural rules for use: Class B license required to operate the vehicle.
- Training: Due to size and complexity of this unit, it requires a Class B or greater driver's license. Once a request is granted for utilization, a driver from a pre-designated pool of trained qualified drives will deliver and setup all necessary equipment for use of this unit.



MILITARY EQUIPMENT USE SUMMARY

The Nevada County Sheriff's Office (NCSO) had three Special Enforcement Detail (SED) deployments in 2022 where military equipment was used. Two of the three incidents were in partnership with Placer County Sheriff's Office (PCSO) in which their equipment was used, therefore only one incident utilized Nevada County AB481 equipment. (Table Meadow Rd incident)

Lowell Hill Rd, Nevada City. 3/15/2022

- SED responded to a volatile male subject with a firearm who was potentially a suspect in a violent crime. PCSO SED assisted.
- SED did not deploy our MRAP, nor did we deploy any NCSO diversionary devices or gas.
- PCSO deployed their two (2) Bearcats, used one flash bang, and deployed a drone.

Table Meadow Rd, Auburn. 5/19/2022

- Search warrant service for armed kidnapping suspect.
- SED deployed with the MRAP; Grass Valley PD SIT team assisted.
- No other NCSO AB481 equipment was used.

Lakeshore North, Auburn. 10/26/2022

- SED assisted PCSO SED team with warrant service for suspects with ties to an outlaw motorcycle club and likely armed.
- SED did not use any NCSO AB481 equipment.
- PCSO SED used two Bearcats and deployed their own diversionary devices.

COMPLAINTS OR CONCERNS FROM PUBLIC

The Nevada County Sheriff's Office has a form available to the public on our website for Military Equipment complaints, concerns, or questions. The form is linked to our Military Equipment Use policy which is also posted on our website. **We did not receive any AB 481 complaints, concerns, or questions in 2022 from our webform, nor by any other method of communication whether in-person, by phone, or email.**

POLICY VIOLATIONS

There were no known violations of our Military Equipment Use policy in 2022.

INTENTION TO ACQUIRE ADDITIONAL MILITARY EQUIPMENT IN 2023

- On December 6, 2022, the Nevada County Board of Supervisors approved the Nevada County Sheriff's Office request to purchase the Lenco "Bear Cat" in 2023, as listed in the inventory on page 7 of this report.
- Our 2022 inventory included one 40MM LMT Tactical Single Launcher with expandable stock (Model 1425) which was ordered, however it was delayed and still pending arrival as of publication of this report. The Sheriff's Office would like to add four more in 2023, for a total of five.
- The Nevada County Sheriff's Office intends to order two "Tomahawk Fire Mitigation Devices" in 2023. The Tomahawk device is used with pyrotechnic chemical agents to mitigate the possibility of a fire when used indoors. Due to the shape of the device, it would allow SED operators to safely deploy pyrotechnic chemical agents into a structure from a position of cover outside of the structure by throwing the device through a closed window or prior breached opening. The Tomahawk is priced at \$530 each, for a total of \$1060 for two, plus tax and shipping.