



MILITARY EQUIPMENT ANNUAL REPORT COMMUNITY ENGAGEMENT MEETING

WEDNESDAY, SEPTEMBER 11, 2024

ASSEMBLY BILL 481 (2021)

GOV. CODE SECTIONS 7070-7075

ALAMEDA COUNTY SHERIFF'S OFFICE GENERAL ORDER 2.21.02



INTRODUCTIONS



TOPICS TO BE DISCUSSED

1. AB 481 Background
2. Military Equipment Use, Training & Costs
3. Complaints, Audits and Policy Violations
4. Military Equipment Possessed by ACSO
5. Evaluation of Military Equipment and Practices
6. Equipment Removed from ACSO Inventory
7. Projected Acquisitions
8. Questions and Discussion



BACKGROUND

- Assembly Bill 481
- Military Equipment and deployment
- AB 481 requires every law enforcement agency to do the following:
 - Create a Military Equipment use policy.
 - Obtain approval of that policy by each agency's applicable governing body.
 - Create an Annual Report of each agency's Military Equipment use.
 - Hold a community engagement meeting within 30 days of submitting/publicly releasing the above Annual Report.



INTRODUCTION

- ACSO retains and employs a wide variety of Military Equipment to assist with “building a safer and stronger community through innovative and inclusive law enforcement practices.”
- ACSO recognizes that critical incidents are unpredictable and can be very dynamic in nature. A variety of Military Equipment options can greatly assist agency members in bringing those incidents to a swift resolution in a safe manner.
- Military Equipment should be deployed to enhance the safety of the public and agency members, and to bring a critical incident to a safe resolution.



OVERVIEW

Government Code 7072

1. Summary of how the Military Equipment was used.
2. A summary of any complaints or concerns about Military Equipment.
3. The results of any internal audits and any actions taken in response.
4. The total annual cost for each type of Military Equipment, following submission of the annual Military Equipment report.
5. The quantity possessed for each type of Military Equipment.
6. Additional Military Equipment request in the next year.
7. Within 30 days of publicly releasing an annual Military Equipment report hold a community engagement meeting.



SUMMARY OF MILITARY EQUIPMENT USE

Military Equipment Item Used	Number of Times Used
CTS #4431 - 40MM CS Powder Barricade	1 (Barricaded subject)
CTS #7290M - Mini-Bang Steel Body	39 (Search warrants)
DEF TEC #1425 - 40MM LMT Tactical Single Launcher	6 (Barricaded subject)
Def Tec #2292 - Ferret 40MM Powder Barricade Round, CS	7 (Barricaded subject)
Def Tec #6325 - Exact Impact 40MM Sponge Round	13 (Disarm suspect)
DJI Matrice 30T	95 (Aerial overwatch)
DJI Mavic 2 Enterprise	2 (Aerial overwatch)
DJI Mavic 2 Enterprise Advanced	145 (Aerial overwatch)
DJI Mavic 2 Enterprise Zoom	31 (Aerial overwatch)
DJI Mavic Mini 2	26 (Interior flight)



SUMMARY OF MILITARY EQUIPMENT USE CONT.

Military Equipment Item Used	Number of Times Used	
DJI Mavic Mini 3 Pro (DJI RC)	8	(Aerial overwatch)
DJI Phantom 4 Advanced	8	(Crime scene map)
FN 303 LESS LETHAL LAUNCHER	1	(Disarm suspect)
FN 303 Projectiles (Pava/OC)	14	(Disarm suspect)
Ford 550 Mobile Response Vehicle – EOD	24	(Explosives sweep)
Ford E-450 Command Post (CIU)	3	(Search Warrants)
ICOR Caliber T5	6	(Search of Residence)
ICOR Mini Caliber Robot	5	(Clear structure)
LENCO Bearcat Armored Vehicle	24	(For protection)



ANNUAL COST AND FISCAL IMPACT

- Most of the military equipment in the current inventory was acquired before the approval of the Ordinance, resulting in minimal expenditures on new items during this Reporting Period.
- Consumable Military Equipment acquisitions and costs in the next 12 months will remain consistent with current agency replenishment schedules and policies.



TRAINING SUMMARY AND COST

Less Lethal / Chemical Agents:

Course Presenter: ACSO Regional Training Center

Course Content: This 16-hour course

Cost: N/A (78 students – in-house training)

Total Cost for Reporting Period: \$0

Firearms / Tactical Rifle Instructor:

Course Presenter: ACSO Regional Training Center

Course Content: This 80-hour course

Cost: \$937/students (11 students – in-house training)

Total Cost for Reporting Period: \$0



TRAINING SUMMARY AND COST, CONT.

Firearms / Tactical Rifle:

Course Presenter: ACSO Regional Training Center

Course Content: This 24-hour POST-certified course

Cost: \$339/student (23 students – in-house training)

Total Cost for Reporting Period: \$0

Firearms / Tactical Rifle Re-Certification:

Course Presenter: ACSO Regional Training Center

Course Content: This 4-hour

Cost: N/A (50 students – in-house training)

Total Cost for Reporting Period: \$0



TRAINING SUMMARY AND COST, CONT.

Special Weapons and Tactics (SWAT) School

Course Presenter: ACSO Regional Training Center

Course Content: This 80-hour POST-certified

Cost: \$1,031.00/student (4 students – in-house training)

Total Cost for Reporting Period: \$0

This training is essential for maintaining operational proficiency and is conducted monthly by the following units:

- Special Response Unit: General Team Members – 16 hours
- Sniper Team – 8 hours
- Explosive Ordnance Disposal Team – 8 hours
- Unmanned Aerial Systems Unit – 8 hours
- Strategic Response Team – 8 hours



SUMMARY OF COMPLAINTS REGARDING MILITARY EQUIPMENT USAGE

- Use of multi-projectile munitions as a less lethal option tools.
- Any member of the public can submit a question or concern regarding ACSO's Military Equipment by contacting ACSO via email at acso-mil-equip@acgov.org.
- ACSO has not received any complaints from the public during this Reporting Period.
- Any member of the public may also submit a Civilian Complaint Form, which is available on the ACSO's website. Once the complaint is received, it shall be routed to the Internal Affairs Unit in accordance with our policy. (California Government Code § 7070(d)(7)).



INTERNAL AUDIT AND COMPLIANCE

- The Military Equipment Coordinator, among other duties, conducts an annual audit of all equipment listed under the Military Equipment Inventory list.
- There have been no reports of violations of the Military Equipment Policy during the Reporting Period, and internal audits have indicated no violations or misuse of the Military Equipment.
- ACSO ensured that agency members complied with AB 481 and all ACSO written directives. Each division was also responsible for ensuring compliance with this bill.



MILITARY EQUIPMENT CURRENTLY POSSESSED

- For the current inventory possessed by ACSO, please refer to the Military Equipment Annual Report. This QR code directs you to the ACSO website where the report is located.





EVALUATION OF MILITARY EQUIPMENT

- **Early Detection of Wear and Tear:** Conduct regular evaluations to identify issues that may impact functionality.
- **Technology Review:** Regularly assess potential upgrades.
- **Comparison with New Models:** Evaluate existing equipment against new models to assess improvements in efficiency, safety, and capability.
- **Transparency and Trust:** Systematic evaluations demonstrate the agency's commitment to responsible governance and oversight.



RESPONSE TO PUBLIC FEEDBACK

- ACSO has thoroughly reviewed its military equipment, including less-lethal tools, in response to community feedback. This evaluation was aimed at enhancing safety and solidifying our less-lethal capabilities, demonstrating our commitment to aligning our practices with public concerns and safety standards.



EVALUATION OF MILITARY EQUIPMENT

Evaluation of Multi-Projectile Impact Munition Alternatives

- **Concerns raised during the 2022-23 process:**
 - Use inside Santa Rita Jail
 - Accuracy
 - Other counties use of alternatives
- Sheriff Sanchez committed to a thorough evaluation of alternatives to multi-projectile impact munitions and to prohibiting their use in Therapeutic Housing Units at Santa Rita Jail.



EVALUATION OF MILITARY EQUIPMENT

Evaluation of Multi-Projectile Impact Munition Alternatives:

- **What Are Multi-Projectile Rounds/Equipment?**

Multi-projectile impact munitions (MPIM) are a type of tool designed to deter or stop individuals without causing fatal injuries. They are typically used in violent, riotous situations or to subdue potentially dangerous individuals while minimizing the risk of serious injury or death.





EVALUATION OF MILITARY EQUIPMENT

Evaluation of Multi-Projectile Impact Munition Alternatives: Jurisdictions Use of Multi-Projectile Impact Munitions

Jurisdiction	Multi-Projectile Munition Use		Jurisdiction	Multi-Projectile Munition Use	
	Yes	No		Yes	No
Alameda County	X		Santa Cruz County	X	
Contra Costa County	X		San Joaquin County		X
Marin County		X	San Mateo County	X	
Merced County	X		San Francisco County		X
Monterey County		X	Solano County		X
Napa County	X		Sonoma County	X	
Sacramento County	X		Stanislaus County		X
San Benito County		X	Yolo County		X
Santa Clara County		X			



EVALUATION OF MILITARY EQUIPMENT

Evaluation of Multi-Projectile Impact Munition Alternatives: Jurisdictions Use of Multi-Projectile Impact Munitions on ACSO Inventory List

Jurisdiction	Rubber Ball Canister (#1087)		Multiple Rubber Baton Round 40mm (#6064)		Multiple Wood Baton Round 40mm (#6098)		Other	
	Yes	No	Yes	No	Yes	No	Yes	No
Alameda County	X		X		X			
Contra Costa County		X		X		X	X	
Marin County		X		X		X		X
Merced County		X		X		X	X	
Monterey County		X		X		X		X
Napa County	X			X		X		
Sacramento County	X			X		X		X
San Benito County		X		X		X		X
Santa Clara County		X		X		X		X



EVALUATION OF MILITARY EQUIPMENT

Evaluation of Multi-Projectile Impact Munition Alternatives: Jurisdictions Use of Multi-Projectile Impact Munitions on ACSO Inventory List

Jurisdiction	Rubber Ball Canister (#1087)		Multiple Rubber Baton Round 40mm (#6064)		Multiple Wood Baton Round 40mm (#6098)		Other	
	Yes	No	Yes	No	Yes	No	Yes	No
San Francisco County		X		X		X		X
San Joaquin County		X		X		X		X
Santa Cruz County	X			X		X		X
San Mateo County		X		X		X	X	
Solano County		X		X		X		X
Sonoma County	X			X		X		X
Stanislaus County		X		X		X		X
Yolo County		X		X		X		X



EVALUATION OF MILITARY EQUIPMENT

Evaluation of Multi-Projectile Impact Munition Alternatives: What are the Alternatives

The alternatives are as follows:

- Use of chemical agents and oleoresin capsicum (OC) spray
- Discharge of conducted electrical weapons (Taser)
- Single-round less-lethal munitions
- Use of personal body weapons
- Strikes from an agency-approved impact weapon (Baton, ASP)
- Use of agency canine
- Lethal force



EVALUATION OF MILITARY EQUIPMENT

Evaluation of Multi-Projectile Impact Munition Alternatives: Policies and Procedure Review

- General Order 1.21 (Less Lethal Weapons Systems) was revised on February 1, 2024. The revisions include the following addition:

"Under no circumstances shall multi-projectile impact munitions (MPIM) be utilized inside a Therapeutic Health Unit (THU) at Santa Rita Jail."



EVALUATION OF MILITARY EQUIPMENT

Evaluation of Multi-Projectile Impact Munition Alternatives: Policies and Procedure Review

- Policy and Procedures 21.01.02 (Controlled Response Procedure) revised September 15, 2024.
- This policy is currently being rolled out to staff. Its development was in collaboration with Consent Decree monitors and ACSO.



EVALUATION OF MILITARY EQUIPMENT

Evaluation of Multi-Projectile Impact Munition Alternatives: Findings and Recommendations

Out of 17 surrounding counties, eight use multi-projectile impact munitions, while nine do not. As the law enforcement mutual aid coordinator for Region 2, Alameda County Sheriff's Office (ACSO) frequently responds to incidents across and beyond the region, necessitating a diverse set of tools. Despite other counties not using these munitions, our complex responsibilities require maintaining them. However, following an extensive review, we've decided to remove specific multi-projectile impact munitions like 32 caliber rubber balls and 40mm multi-foam rounds from our inventory to better meet current operational needs and safety standards.



EQUIPMENT REMOVED FROM ACSO INVENTORY

Small Unmanned Aircraft System (sUAS) – Category 1

DJI INSPIRE 1

Quantity: 3

(Discontinued) Out of inventory

BRINC LEMUR S

Quantity: 6, but never purchased

DJI PHANTOM 3

Quantity: 1

(Discontinued) Out of inventory

DJI PHANTOM 4

Quantity: 3

(Discontinued) Out of inventory



EQUIPMENT REMOVED FROM ACSO INVENTORY

Firearms of .50 Caliber or Greater – Category 8

.50 CALIBER BROWING MACHINEGUNS – ACSO previously possessed them, but they were properly destroyed on 7/20/23. This item will be completely removed from the ACSO Military Equipment Inventory.

Quantity: 2

Rifles Ammunition – Category 10

RUAG SWISS P: .308 WINCHESTER MATCH TARGET, 168 GRAIN

Quantity: 200

Replaced by .308 WINCHESTER RUAG SWISS P Armor Piercing (196 GRAIN)



EQUIPMENT REMOVED FROM ACSO INVENTORY, CONT.

Chemical Agents and Smoke Canisters – Category 12

COMBINED TACTICAL SYSTEMS, OUTDOOR 92 SERIES JET-LITE RUBBER BALL
CANISTER (WHITE SMOKE), #9210:

Quantity: 20

COMBINED TACTICAL SYSTEMS, CS JET-LITE RUBBER BALL CANISTER, PYRO
(WHITE SMOKE & CS), #9230

Quantity: 68

DEFENSE TECHNOLOGY, STINGER CS RUBBER BALL CANISTER, #1088

Quantity: 189

DEFENSE TECHNOLOGY, RUBBER BALL BLAST CANISTER, OC, #1095

Quantity: 249



EQUIPMENT REMOVED FROM ACSO INVENTORY, CONT.

MULTI-PROJECTILE IMPACT MUNITIONS

Chemical Agents and Smoke Canisters – Category 12

DEFENSE TECHNOLOGY #1090, STINGER 32-CALIBER RUBBER
BALL CANISTER

Quantity: 122

40MM Less Lethal Launcher and Rounds – Category 14

DEFENSE TECHNOLOGY #6099, MULTIPLE FOAM BATON ROUND
40MM

Quantity: 93



EQUIPMENT REMOVED FROM ACSO INVENTORY, CONT.

40MM Less Lethal Launcher and Rounds – Category 14

DEFENSE TECHNOLOGY, BEAN BAG ROUND 40MM, #6025
Quantity: 13

DEFENSE TECHNOLOGY, STINGER 40MM 60-CALIBER RUBBER
BALLS ROUND, #6097
Quantity: 300

DEFENSE TECHNOLOGY, DIRECT IMPACT 40MM OC CRUSHABLE
FOAM ROUND, #6320
Quantity: 191

EQUIPMENT REMOVED FROM ACSO INVENTORY, CONT.



40MM Less Lethal Launcher and Rounds – Category 14

DEFENSE TECHNOLOGY, DIRECT IMPACT 40MM INERT CRUSHABLE
FOAM ROUND, #6323

Quantity: 118

DEFENSE TECHNOLOGY, EXACT IMPACT 40MM EXTENDED RANGE
SPONGE ROUND, #6325LE

Quantity: 64

DEFENSE TECHNOLOGY, DIRECT IMPACT 40MM MARKING
CRUSHABLE FOAM Round, #6326

Quantity: 55



EQUIPMENT REMOVED FROM ACSO INVENTORY, CONT.

40MM Less Lethal Launcher and Rounds – Category 14

COMBINED TACTICAL SYSTEMS, 40MM .30 CAL STING-BALLS,
SMOKELESS, 4.8" LONG, #4553

Quantity: 60

COMBINED TACTICAL SYSTEMS, 40MM SPONGE, SMOKELESS, SPIN
STABILIZED, 4" LONG, #4557

Quantity: 118

COMBINED TACTICAL SYSTEMS, 40MM .60 CAL STING-BALLS,
SMOKELESS, 4.8" LONG #4558.

Quantity: 60



LESS LETHAL EQUIPMENT REMOVED

40MM LESS-LETHAL MUNITIONS

Removed:

1. DefTec #6025, 40MM Bean Bag Round – 13
2. DefTec #6097, 40MM Stinger .60 Caliber Rubber Balls Round - 300
3. DefTec #6320, 40MM Direct Impact OC Crushable Foam Round – 191
4. DefTec #6323, 40MM Inert Crushable Foam Round – 118
5. DefTec #6325LE, 40MM Exact Impact Extended Range Sponge Round – 64
6. DefTec #6326, 40MM Direct Impact Marking Crushable Foam Round – 55
7. CTS #4553, 40MM .30 Caliber Sting Balls, Smokeless, 4.8" Long – 60
8. CTS #4557, 40MM Sponge, Smokeless, Spin Stabilize, 4" Long – 118
9. CTS #4558, 40MM .60 Caliber Sting Balls, Smokeless, 4.8" Long – 60



The ACSO has significantly reduced its less-lethal munitions inventory, removing 783 items, including 426 chemical agents and 357 impact rounds. This action has decreased the overall count of multi-projectile munitions in our possession.



PROJECTED ACQUISITIONS

Rifles Ammunition – Category 10

RIFLE AMMUNITION

*.308 WINCHESTER RUAG SWISS P Armor Piercing (196 GRAIN): The most accurate armor piercing round. Because the core stays intact during penetration, it transfers extremely efficient residual energy to hard targets. Extended barrel durability due to patented projectile design. Ballistics matched to the SWISS P Ball, Target, Styx Action and Tactical bullet types.

Quantity: 200

*On the original approved Military Equipment Inventory, ACSO erroneously listed RUAG SWISS P: .308 WINCHESTER MATCH TARGET, 168 GRAIN (LONG RIFLE) on the inventory. ACSO does not possess this type of ammunition. ACSO instead possesses the same quantity of .308 RUAG SWISS P AP, 196 GRAIN (LONG RIFLE) and is requesting this be approved instead.



PROJECTED ACQUISITIONS, CONT.

Chemical Agents and Smoke Canisters – Category 12

DEFENSE TECHNOLOGY #1032, FLAMELESS TRI-CHAMBER CS CANISTER

Quantity: 50 (Previously approved for 24. ACSO is requesting 26 additional)

Cost: \$46.25

DEFENSE TECHNOLOGY #1056, OC VAPOR AEROSOL CANISTER

Quantity: 90 (Previously approved for 16. ACSO is requesting 74 additional)

Cost: \$50.15

Light-Sound Diversionary Devices (LSDD) – Category 12

COMBINED TACTICAL SYSTEMS, MINI-BANG STEEL BODY, #7290M.

Quantity: 150 (Previously approved for 100. ACSO is requesting 50 additional)

Cost: \$45.00



PROJECTED ACQUISITIONS, CONT.

40MM Less Lethal Launcher and Rounds – Category 14

COMBINED TACTICAL SYSTEMS, 40MM CS LIQUID BARRICADE, SPIN STABILIZED, 4.1" LONG, #4330

Quantity: 100 (Previously approved for 50. ACSO is requesting 50 additional)

Cost: \$29.70

COMBINED TACTICAL SYSTEMS, 40MM CS POWDER BARRICADE, SPIN STABILIZED, 4.1" LONG, #4431

Quantity: 100 (Previously approved for 50. ACSO is requesting 50 additional)

Cost: \$31.90

DEFENSE TECHNOLOGY, FERRET 40MM LIQUID BARRICADE PENETRATOR ROUND, CS, #2262

Quantity: 100 (Previously approved for 62. ACSO is requesting 38 additional)

Cost: \$28.15



PROJECTED ACQUISITIONS, CONT.

40MM Less Lethal Launcher and Rounds – Category 14

DEFENSE TECHNOLOGY, FERRET 40MM POWDER BARRICADE ROUND, CS, #2292

Quantity: 100 (Previously approved for 59. ACSO is requesting 41 additional)

Cost: \$27.85

DEFENSE TECHNOLOGY, EXACT IMPACT 40MM STANDARD RANGE SPONGE ROUND, #6325

Quantity: 1,000 (Previously approved for 557. ACSO is requesting 443 additional)

Cost: \$28.65



PROJECTED ACQUISITION OF PEPPERBALL

PepperBall Less Lethal Launcher

Extended Range: Often offers a greater effective range, providing a safer distance for operation.

Ammunition Flexibility: Offers more options for operational needs, enhancing tactical versatility.

Reduced Injury Risk: Projectiles burst on impact, posing a lower risk of serious injury.

Cost-Effectiveness: Generally, less expensive to maintain and operate.

Ease of Training: Training with this system is typically quicker and simpler.

Positive Feedback: Other agencies have reported improved operational outcomes and fewer incidents of severe injuries.



PROJECTED ACQUISITION OF PEPPERBALL

Jurisdictions Use of Pepperball Launcher

Jurisdiction	Pepperball Launcher Use		Jurisdiction	Pepperball Launcher Use	
	Yes	No		Yes	No
Alameda County		X	Santa Cruz County	X	
Contra Costa County	X		San Francisco County		X
Marin County		X	San Joaquin County	X	
Merced County	X		San Mateo County	X	
Monterey County	X		Solano County		X
Napa County	X		Sonoma County		X
Sacramento County	X		Stanislaus County	X	
San Benito County		X	Yolo County	X	
Santa Clara County	X				



PROJECTED ACQUISITIONS, CONT.

PepperBall Lethal Launcher and Rounds – Category 14

PEPPERBALL TAC-SA PRO LESS LETHAL LAUNCHER: A less-lethal launcher designed to fire .68 caliber pepper balls. This system utilizes compressed air or CO2 to propel projectiles containing chemical irritants. It is effective for crowd control, individual incapacitation, and deterrence, and can be used in various operational scenarios.

Quantity: 25

Cost: \$1,250 each

PEPPERBALL PROJECTILES: Completely dedicated to reducing lethality, the basis of the pepperball concept lies in its unique projectiles. These .68 caliber, 8.5-gram projectiles utilize a fin-stabilized polystyrene body and a non-toxic bismuth forward payload to provide more accuracy and greater effective range than other less lethal systems. The primary effect of the projectile is trauma, which directly neutralizes the aggressor.



PROJECTED ACQUISITIONS, CONT.

PepperBall Lethal Launcher and Rounds – Category 14

LIVE X-PROJECTILE: This projectile contains a concentration of 5% Pava power, a hard plastic frangible sphere that is designed to burst upon impact. The projectile is excellent for direct impact, area saturation and riot management. This projectile is intended as an irritant for individual suspects, point-specific targets, or small-area denial.

Quantity: 2,000

Cost: \$3.31 per round

MARKING PROJECTILE: This projectile is intended for marking suspects and objects with an indelible pink paint solution for later identification, apprehension, or questioning.

Quantity: 2,000

Cost: \$0.89 per round

INERT PROJECTILE: It is intended for training, qualifications, and direct impact. This projectile is a hard plastic frangible sphere that is designed to burst upon impact.

Quantity: 2,000

Cost: \$0.67 per round



CONCLUSION

- ACSO has fulfilled the requirements set forth in AB 481
- G.O. 2.21.02 - Military Equipment, Funding, Acquisition, and Use
- The Military Equipment G.O. is reviewed annually and published on the ACSO website.
- This Military Equipment Annual Report reaffirms ACSO's commitment to providing transparency and information to communities, and elected officials in addition to ensuring compliance with the law.



14. QUESTIONS AND DISCUSSION

SUBJECT MATTER EXPERTS

- **Captain Dan Brodie – Support Services**
- **Captain Robert Evans – Small Unmanned Aircraft Systems Unit**
- **Captain Justin Miguel – Santa Rita Jail**
- **Lieutenant Colin Jones – Explosive Ordnance Disposal**
- **Sergeant Swetavage – Special Response Unit**