



Sustainable Technology Evaluation and Demonstration (STED) Program

Non-Lethal Training Rifles



Technology Description

Non-lethal training rifles built on military carbine platform, designed to provide realistic training experiences including basic marksmanship and force-on-force scenarios.

Potential Impact

- Increased warfighter safety: reduced safety hazards from live fire training, eliminates lead and noxious firing gas emission exposure
- Increased training capability: train in multiple locations and scenarios that cannot be performed with live ammunition
- Increased training availability: train more frequently regardless of weather conditions or range schedules
- Reduced costs from live ammunition usage, weapon wear and tear, range maintenance

Benefits

- CO₂ propellant with non-lethal plant-based, biodegradable PLA marking or non-marking simulation rounds.
- Simulates realistic training without live fire training safety risks
- Replicates fit, form, and function of military carbines including weight, operation, accessory mounting and simulated recoil.
- Available in multiple models to replicate various weapons systems.
- No live fire range or live ammunition required

Demonstration Sites

- MCB Quantico - Weapons Training Battalion
- MCB Hawaii – 3rd Marine Littoral Regiment
- Fort Benning, DHS ICE Office of Firearms and Tactical Programs

For additional information please contact:

- [DoW STED Program email](#)



Training Rifle with Magazine, CO₂, and PLA Rounds