

Training Weapons Offered:

M4 5.56 Carbine

M9 9mm Pistol

M249 5.56 Squad Automatic Weapon

M240B 7.62 NATO Machine Gun

MK19 40mm Grenade Launcher

M2 .50 Cal Machine Gun



The use of the EST facility is limited to DoD uniformed personnel and FOR OFFICIAL TRAINING PURPOSES ONLY.

Engagement Skills Trainer EST II

Hours of Operation: 0800 – 1600

Monday – Saturdays (Appointment Only / NO WALK-INS)
(Must schedule at least 30-45 days in advance)

Scheduling: Scheduling in advance is MANDATORY.
Cancelations must be made at least 1 week in advance.

Uniform and gear is up to the unit. Full gear is recommended, as it adds more realism to training. Unit is responsible for providing eye and hearing protection.

PMI&E: Table I, Preliminary Marksmanship Instruction and Evaluation (known as PMI&E)

Must be conducted by the unit prior to EST. It is expected that firers have gone through PMI&E and have basic familiarity on the operation, loading, unloading, and clearing of the weapons used for training.

Table II, Preliminary Live-Fire Simulations (known as PLFS)

Must be conducted within 6 weeks of live fire event for Active component and 6 months prior for Guard and Reserve.

Conduct Table I, II, and III

Units must begin executing Table II for record during no later than T-6. Crews that have completed Tables I, II, or III before T-6 must complete the exercise again to meet the live-fire prerequisites. There are no exceptions.

Training timelines are described as time remaining prior to the event execution by component.

Active Army unit training timelines = T-weeks.

Reserves unit training timelines = T-months.

Reference: TC 3-20.40, TRAINING AND QUALIFICATION - INDIVIDUAL WEAPONS, July 2019.



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Simulated weapons training

The EST II is a laser-based unit/institutional, indoor, multipurpose arms trainer for individual and crew served weapons including pistols, rifles, machine guns, anti-tank weaponry and grenade launchers. The system displays targets, terrain and weapons effects in a real time presentation on a screen 26 feet from the firer. The firer experiences an approximation to the actual weapon's sound, weight and recoil. It provides training for **marksmanship, weapons manipulation, "shoot don't shoot"** judgments, and provides extensive after-action review (AAR) support.

Marksmanship The Marksmanship training mode offers basic and advanced range firing and qualification tables. The most common mode of training, Marksmanship allows up to 6 – 10 firers at a time per system, depending on weapon and type of training.



Above: A reflexive fire rifle qualification course, created by the EST instructors to improve Weapons Manipulation.

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Judgmental Use-of-Force

Judgmental Use-of-Force training mode offers judgmental training scenarios. These scenarios provide sufficient details so that the firer can observe important cues such as facial expressions and body language to determine threats and when to pull the trigger. Judgmental Use-of-Force can accommodate up to 2-5 firers at a time per system (Recommended for best training results 1-2 firers at a time).



Above: A Judgmental Use-of-Force training scenario



Above: A Judgmental Use-of-Force training scenario

EST Facility features

The EST facility contains 2 10-lane and 1 5-lane system that can run up to 5 – 10 firers per training room (depending on weapon and mode of training). One classroom is provided, which contains a large dry-erase board, marksmanship visual aids, tables and seating for up to 24 personnel. Latrines are available in each building. For larger groups, bleachers are located outside the facility between the EST buildings. Each EST building has a water dispenser, but personnel will need to supply their own cups, water bottles or canteens to use them.

The EST team at the facility operates the systems and assists units in training. They will give firing commands, provide shot-by-shot feedback and replay to firers after each table in the scenario.



Above: EST classroom, located in Bldg. 1101