



Troysgate Fact Sheet

February 2018

Q: Who has the training system been designed for?

A: The training system is designed for the U.S. military soldier, federal enforcement agent and law enforcement officer. The training system provides the capability to accurately reproduce and replicate deadly conflict situations in a realistic simulated training environment using unmodified weapons and ammunition in real time with face-to-face human role player interaction at close quarters. The training system is highly adaptable and has the capability to provide unlimited training scenarios offering a wide range of training situations, applications and solutions.

Q: What is unique or different about the training system and what does it address and accomplish versus other training systems and training methods?

A: The training system addresses and accurately replicates actual real life deadly conflict situations. It is capable of providing the trainee with the realism of a deadly conflict engagement experience that is perceived to be real and with the effectiveness to trigger the same emotional, psychological and physiological effects that would be expected or normal for the trainee to exhibit and experience in an actual deadly engagement. These effects may include impaired critical thinking and decision making, visual and auditory occlusion, elevated heart and respiration rates that can exceed manageable thresholds, and other related effects that may significantly affect or impact the trainee's performance and his/her ability to act and respond when directly involved in a deadly conflict situation.

More importantly, the training system is capable of placing the trainee in a specific, isolated and acute state of mind or mental capacity that is sufficient to initiate an immediate and complex chain reaction of internal defense mechanisms that may cause unexpected trainee actions and responses based on his/her perceived critical threat and highest priority condition or level for his/her survival and self-preservation.

The training system tests the trainee's ability to manage and synchronize his/her physical training skills (weapons handling and marksmanship) with the necessary mental preparation and conditioning to efficiently and effectively handle a deadly conflict situation successfully.

Q: When and how often should a trainee receive training using the training system?

A: A trainee that may be placed in harm's way and required to use deadly force should receive training as quickly as possible. Initial trainee exposure to the training system provides immediate and long lasting benefits. A trainee's training frequency with the training system is recommended to be 2-4 times annually for optimal benefit. It is also recommended that any trainee involved in a deadly encounter receive follow up training with the training system as soon after a trainee's deadly encounter experience to help "reset" the individual and recheck/re-certify that the individual is ready for duty.

Q: Where can training systems be implemented?

A: Training systems are modular and require very little site preparation. Depending on the site location and implementation requirements, training systems can be implemented as permanent, semi-permanent or mobile systems, and can be implemented as fully enclosed ballistic containers, or with modified ballistic capability where ballistic containment is provided external to the training system. There are available training system configurations that address heating and cooling requirements for implementation in adverse conditions and climates.

Q: What value does the training system offer and what are the important aspects of the training system an interested client should take into consideration?

A:

- Troysgate training systems have been client field tested and proven to be as effective when compared to real world situations.
- The training system offers unlimited training opportunities and provides a level of training that cannot be achieved by other training systems and training methods.
- Minimal trainee preparation is required for training – regular duty gear, weapon and ammunition. No special training modifications, accessories or additional gear is required other than eye and hearing protection.
- The training system can accommodate more than one trainee training together during training.
- The trainee can receive and complete training in a few minutes.
- Trainee training benefits begin with the trainee's first training exposure and produce cumulative training benefits with each subsequent training exposure.
- The minimum operational requirements of the training system are two (2) personnel – trainer and role player and a reflective screen.
- The training system instrumentation systems provide additional capabilities, but does not affect or impact the ability to conduct training if the instrumentation systems are off-line or not being used.
- The training system instrumentation systems provide video and audio capture capability for real time viewing during training and, the storage and retrieval of training data for playback and review after training.
- Hit detection instrumentation capability provides the trainee's perspective view of the role player(s) and tracks the trainee's weapon rounds fired and records “hit and miss” shot placement accuracy within 1 inch or less.
- Other than the initial cost of the training system, the training tangible costs (reflective screen, hit detection and ballistic rubber) are relatively low – about \$4 estimated average cost per weapon round fired.

Performance Measures and Metrics:

Hit detection capability provides the only currently available performance metric which is available on selected training system configurations. Additional performance metrics can be evaluated for potential integration into existing instrumentation