

## Medical Training Services



KGSTraumaFX offers a wide range of medical training services to meet the needs of military, government, first responder, and commercial clients. Working with our team, including key strategic partners with many decades of experience developing training curriculum for military clients, KGS designs and conducts highly effective medical training programs to help medics, soldiers, and other first responders improve critical skills and save more lives at the point of injury, through Role 2 facilities.

### About our Training Courses

TraumaFX training programs are based on decades of military, first responder and Special Operations expertise and deep first-hand operational knowledge of medical Program of Instruction (POI) development. TraumaFX delivers the most immersive, real-world training experience using the latest in simulation technologies and medical intervention practices.



TraumaFX's courses are taught by a global network of experienced, well-trained instructors, most of whom are prior military or para-military, including special operations medical staff from various backgrounds. This includes expertise in traditional field medicine, advanced field medical skills, intensive nursing care, internal medicine, emergency medicine, cardiology, trauma surgery and even veterinarian credentials.

# Course Descriptions

TraumaFX standard courses are described below. All courses can be customized to meet any specific training requirements. For more information, please contact us at:

1-800-200-7465 (Option 1)  
Traumafx@kforcegov.com  
www.traumafx.net

## Special Operations Medic - Advanced Medical Assessment (SOM-AMA)

- Training Duration: 5 days
- Training Location: Home Station, Local Community or Designated Location
- Training Audience: Any DoD, DoS or Agency equivalent Special Operations Medical professional entity
- Number of Participants: ~1:1-6 instructor to student ratio

### Training Description

SOM-AMA, is a five-day scenario-driven continuous event designed for DoD, DoS or Agency-trained medical professionals. Designed to revisit many well established Special Operations medical critical skills tasks, protocols and clinical practice guidelines, this course presents advanced medical concepts equivalent to intensive care unit standards required to stabilize and sustain a critically sick or injured casualty with the intent to meet prolonged field care goals.



TraumaFX conducts this course at scenario-driven realistic facilities and locations in the general vicinity of the training audience. The training site is prepared by TraumaFX to conduct Advanced Medical Assessments with the use of TraumaFX simulation manikin systems, engineered specifically for anatomical and physiological accuracy, as well as prolonged use in field training. This event may be conducted independently, or within large exercises where the TraumaFX team can integrate into the overall scenario.

The SOM-AMA course creates a hands-on simulation environment that focuses on critical care skills needed throughout the continuum of care. Participants will make decisive choices relating to casualty treatment throughout the event. From initial assessment throughout the stabilization process, the participant provider will make medical decisions and perform interventions resulting in physiologic changes to the simulated casualty. Finally, participants will prepare the simulated casualty for evacuation and demonstrate movement of the casualty to a higher echelon of care.

TraumaFX SOM-AMA culminates with a raw feedback session and after-action review for all participants. This communication is an open two-way forum for TraumaFX instructors to share how the participants performed within the scenario against current treatment standards and practices, as well as to obtain feedback on how the course was executed and received from the participant's point of view.

## Prolonged Field Care Concepts and Application (PFC-CA)

- Training Duration: 5 days - indefinite / requirement-dependent
- Training Location: Home Station or Designated Location
- Training Audience: Any DoD, DoS or Agency medical members
- Number of Participants: Indefinite, ~1:8 instructor to student ratio



### Training Description

The PFC-CA course is a five-day scenario-driven event designed for DoD, DoS or Agency trained-medical professionals. This course assesses advanced medical skills with emphasis on effectively evaluating the participant's equipment and support capabilities.

The PFC-CA course creates a hands-on simulation environment that focuses on critical care skills needed throughout the prolonged continuum of care. Through these hands-on PFC medical scenarios, participants are exposed to managing patients in austere environments with limited resources, and limited or non-existent advanced surgical and/or medical support. This exposure then allows for implementation of a rigorous PFC-centric full mission profile, challenging the participant's medical resources from point of injury over extended timeframes before casualty movement can occur.

Casualty scenarios range from pure battlefield trauma to medical illness emergencies and even CBRNE response.

- Day one: Initial assessment of participant's skills.
- Day two: Didactic lessons on current concepts of prolonged field care and logistic limitations that would lead to PFC situations.
- Day three and four: Full PFC scenario begins, various casualty treatment/movement continues over 48hrs
- Day five: last 24hrs conducted as full mission profile for definitive casualty evacuation

TraumaFX's approach to the concept and application of Prolonged Field Care highlights operational planning and logistical preparation for missions with increased risk and limited casualty movement options. TraumaFX shares the Joint Trauma Systems approach for Best, Better and Minimum PFC scenario outcomes.

These concepts are coupled with the use of TraumaFX's award-winning medical simulation manikin systems. Engineered specifically for prolonged use in field training, the TraumaFX manikins are tetherless, durable, water resistant systems that can be used in nearly any weather condition or environment. Constructed with meticulous detail for anatomical accuracy and physiological response to treatment, the use of these manikins coupled with TraumaFX's extensive years of training experience and knowledge, creates the industry's most authentic training experience.

## Tactical Combat Casualty Care – All Personnel or Medical Personnel (TCCC-AP/MP)

- Training Duration: 1-2 day – indefinite / requirement-dependent
- Training Location: Home Station or Designated Location
- Training Audience: Any DoD, DoS or Agency members
- Number of Participants: ~1:8 Instructor to Student ratio



### Training Description

The TCCC AP/MP courses introduce evidence-based, life-saving techniques and strategies for providing the best trauma care on the battlefield. TraumaFX conducts TCCC courses under the auspices of NAEMT and its PHTLS program, recognized as the world leader in prehospital trauma education.

TCCC courses use award-winning TraumaFX high-fidelity simulation manikin systems, which are engineered specifically for anatomical and physiological accuracy, as well as for prolonged use in field training exercises. The use of these manikins coupled with TraumaFX's extensive years of training experience and knowledge, creates the industry's most authentic, immersive training experience.

### ***TCCC-AP (TCCC for All Personnel)***

TCCC-AP is a one-day course designed for any warfighter to attend. It covers many lifesaving techniques and advances in battlefield trauma care pioneered by the Joint Trauma System and the Committee on Tactical Combat Casualty Care. These advances have dramatically increased casualty survival. This is especially true when applied all members of combat units – not just medics – when they are trained in Tactical Combat Casualty Care (TCCC).

### ***TCCC-MP (TCCC for Medical Personnel)***

The TCCC-MP two-day course goes further in depth and offers a larger scope of practice. It is designed for combat EMS/military personnel, including medics, corpsmen, and rescue personnel deploying in support of combat operations and builds on their skills and knowledge in battlefield care.

TraumaFX's TCCC courses use the PHTLS Military textbook and are fully compliant with the Department of Defense's Committee on Tactical Combat Casualty Care (CoTCCC) guidelines. It is the only TCCC course endorsed by the American College of Surgeons. This course certifies all participants; those who pass will be issued an official TCCC card at course completion which is backed by the NAEMT.

## Canine (K9) Trauma Experience

- Training Duration: 1 day – indefinite / requirement-dependent
- Training Location: Home Station or Designated Location
- Training Audience: SOF K9 handlers, SOF Medics, other Medical Providers
- Number of Participants: 1 to indefinite

### Training Description

K9 medical training can be held as a stand-alone course, or integrated into any medical scenario, event or training course.

The course uses TraumaFX K9 HERO and K9 Diesel medical simulators, which are far and away the most realistic canine medical simulators available today. Each system is constructed with meticulous detail for anatomical accuracy and physiological response to treatment, and delivers a wide range of medical intervention training such as airway management, hemorrhage control, GDV decompression, heat injury, thoracentesis, fluids infusion, fractures, CPR, and more.



TraumaFX's K9 medical courses are ideal for Military Working Dog handlers, Medics, and any other personnel who operate regularly in close proximity to working dogs.

## Trauma Scenario Generation (TSG)

- Training Duration: 1 day – indefinite / requirement-dependent
- Training Location: Home Station or Designated Location
- Training Audience: Any DoD, DoS or Agency Medical element
- Number of Participants: 1 to indefinite / requirement-dependent

### Training Description

TraumaFX provides small to large scale short-notice Trauma scenario support to an infinite combination of scenarios. This is highlighted by TraumaFX's ability to provide award-winning, high-fidelity simulation manikin systems, engineered specifically for prolonged use in field training. These manikins coupled with TraumaFX's extensive years of training experience and knowledge, creates the industry's most authentic training experience. Use of these training tools allows for implementation of rigorous full mission profile medical scenarios to truly challenge course participants.

TSG events supported include, but are not limited to the following:

- Team Room Emergency– i.e. Myocardial Infarction, accidental weapon discharge, etc.
- Group Compound Level scenarios- Active Shooter, WMD, MVA, CBRNE
- JCET - Train and assess partnered national forces
- FID Operations- build self-sustaining medical training programs; sustainment and medical assessment programs in indigenous languages; Train-the-Trainer programs designed for operations with partner nations.
- JCS Exercises: Ellipse Charlie, JADE Helm, Emerald Warrior, etc.

Scenarios can be developed to simulate large scale mass casualty events utilizing multiple manikins presenting with a multitude of injury patterns.

## Casualty Evacuation (CASEVAC)

- Training Duration: 7 days – indefinite / requirement-dependent
- Training Location: Home Station or Designated Location
- Training Audience: Any DoD, DoS or Agency Medical element
- Number of Participants: 1 to indefinite / requirement-dependent



### Training Description

TraumaFX conducts a flight-centric CASEVAC course that builds on prior advanced medical skills and training and applies them to in-flight operations. Defined as the unregulated movement of a casualty to include the movement between levels and echelons of medical care and intervention, TraumaFX's CASEVAC course primarily focuses the use of fixed and rotary wing aircraft of opportunity. This course provides a training platform for SOF medical personnel to perform critical care tasks while in flight. Casualty scenarios range from pure battlefield trauma to medical illness emergencies and even CBRNE response, with the intent

of meeting Critical Care Air Transport goals with a smaller footprint.

TraumaFX uses state-of-the-art medical simulation manikin systems, engineered specifically for prolonged use in field training. TraumaFX simulators are tetherless, durable, water resistant systems that can be used in nearly any weather condition or environment. This CASEVAC course may be held independently, or conducted within large exercises where the TraumaFX team can integrate into the overall scenario. This allows for implementation of rigorous medical scenario full mission profile, challenging the participants from point of injury through Role I and Role II echelons of care and other various stages of patient transport.

- **Lectures – 2 days**

- Physiology of flight and the rigors of working at altitude
- Equipment specifically used and relied upon during air operations
- Evacuation techniques for casualty packaging, safety and treatment
- Documentation of interventions

- **Simulation Training – 2 Days**

- Hands on trauma scenarios in low light, hot/cold, noise polluted environments

- **Aircraft Training – 3 Days**

- Static – configure of airframe to CASEVAC needs, load/off load casualties.
- Flight scenarios – full casualty scenarios involving initial treatment, stabilization, packaging and movement of patient from ground location to aircraft with treatment in flight to next echelon of care.
- Casualty handoff to next echelon of care personnel