

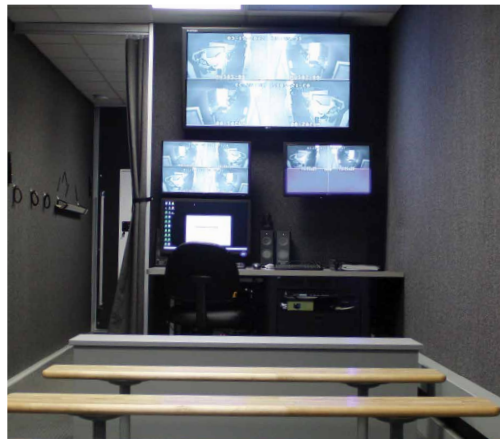
VIRTUAL CLEARANCE TRAINING SUITE (VCTS)



Real experience for C-IED Route Clearance.

FAAC provides state-of-the-art simulators to train Engineer Route Clearance Training Company vehicle and equipment operators. Configured in four self-contained 53' semi-trailers, the VCTS allows individuals and crews to learn and master all tasks likely to be encountered during route clearance missions without risk to man or machine. Specific features include:

- Full suite of simulated vehicles and equipment:
 - Mine Protected Clearance Vehicle (MPCV – Buffalo)
 - Vehicle Mounted Mine Detector (VMMD – Husky)
 - Medium Mine Protected Vehicle (MMPV – Panther or RG-31)
 - Man Transportable Robotic System (MTRS – Talon III b)
- Four Instructor/Operator Stations with classroom/AAR/mission planning areas
- Unparalleled realism and high fidelity vehicle dynamics for believable operational experience
- Physics-based Interrogation Arm simulation for the Buffalo
- Husky operations with or without mine detonation trailers
- Gunner's station (GS) for each Panther/RG-31
- Individual/crew training curriculum



Instructor Operator Station (IOS),
After Action Review Classroom



MPCV Buffalo



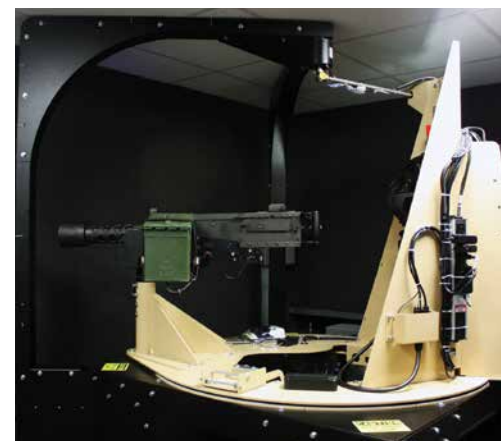
MMPV Panther/RG-31



VMMD Husky



MTRS Talon



Gunner Station

Smart Solutions for the most effective training.

In May 2011, the U.S. Army selected FAAC to supply its Counter-Improvised Explosive Device (C-IED) / Route Clearance Unit Training Simulation Suite. The program—designated Virtual Clearance Training Suite (VCTS)—builds on the simulator technology developed for the US Army Operator Driving Simulator (USA ODS) and US Army Common Driver Trainer (CDT) programs. Key upgrades include integration of SE Core and One SAF with existing terrain and SAF databases, multiple simulated communications networks, gunner's station, Talon IIIb station and the most advanced Instructor Operator Stations fielded to date. Fielding of the 28 suites commenced in July 2012. FAAC provides interim contractor logistics support as required.

The VCTS is a self-contained, mobile system mounted in four networked 53' semi-trailers, scheduled for delivery to Active, Guard, and Reserve sites around the world. The suite consists of:

Trailer 1: Instructor Operator Station (IOS) / After Action Review (AAR) / Classroom

- Four IOSs, each can control up to 16 Student Training Stations (STSs) enables individual, crew and collective training
- Advanced communications, direct to one or all associated STSs; or via one of three assigned simulated networks (PLT/CO, CO/BN, Fire Support)
- Curriculum includes 40 hours of basic and advanced training scenarios with auto or instructor scoring, jump-back, and AAR capture
- Scenario generation capability; can add complexity or adapt scenarios to unit TTPs
- Geo-typical and geo-specific terrain, plus varied environment conditions (day, night, rain, snow, fog, sand storm) enable training under any conceivable condition
- Classrooms provide seating for 5, 10 or 25 students – facilitate planning, mission briefings, and detailed AARs

Trailer 2: MPCV (Buffalo)

- Four high fidelity open cab Buffalo STSs provide realistic individual and crew training
- Dash panels replicate current vehicle and include OEM Interrogation Arm controls
- Physics based Arm model enables realistic interrogation of possible IEDs
- Three simulated networks, intercom, plus direct communication with the instructor from each STS

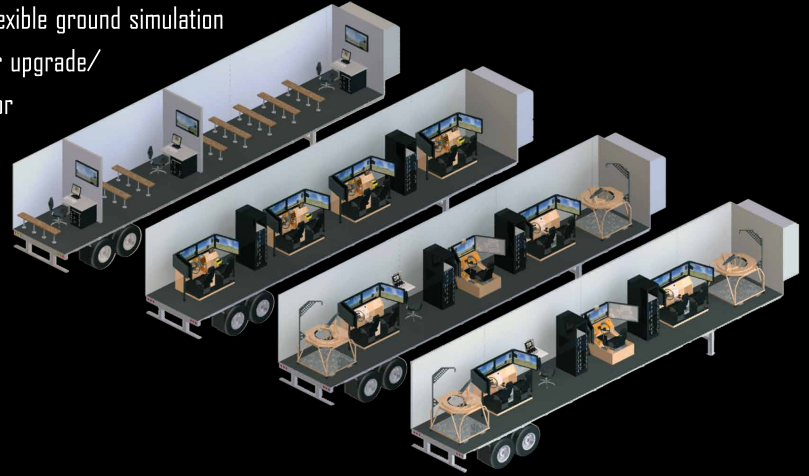
Trailers 3 & 4: Identical, each contains 2-MMPV, 2-GS, 1-VMMD, 1-MTRS

- MMPV features FAAC interchangeable self-recognizing dash panels, enabling rapid change between Panther or RG-31 variants – Cougar also available
- GS features head-mounted displays and .50 Caliber simulated machinegun
- VMMD features metal detection, high-fidelity realistic sound replication, simulated marking, Husky Mine Detection System (HMDS) and operates with or without mine detonation trailers
- MTRS Talon, actual OEM controls modified for simulation use, replicates all talon behaviors: realistic movement, visual inspection, IED interrogation and detonation
- Three simulated networks, intercom, plus direct communication with the instructor from each STS



Variety of configurations for realistic and affordable training.

The advanced IDS, multi-net communications, scenario generation system and updated databases ensure the VCTS is the Army's most configurable and flexible ground simulation training suite. In addition, FAAC designed the VCTS with a modular upgrade/modification capability to meet evolving requirements. Fixed site or mobile, seat motion through full 6-DOF motion based STSs, new/modified vehicles or robotic systems, FAAC can update and deliver a suite configured to meet any route clearance training need.



For over 40 years, FAAC Incorporated has been providing systems engineering services and simulation products for military, government, and private industry use. We are committed to the principles of customer satisfaction, concern for employees, and community involvement. Our philosophy is to develop effective, high quality products and to provide proactive, timely support for our customers while maintaining high ethical standards. References, studies, and customer findings confirm high marketplace satisfaction with FAAC products.

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