Central Police Academy Alumni Association

HSV Police Training Center
MILO Range 180 Theater Simulator

The HSV Citizens Police Academy Alumni Association (HSVCPAAA) supports the efforts of the HSV Police Department to improve the general welfare of our residents by dedicating resources for meaningful, positive community outreach and awareness. The HSVCPAAA is a 501(c)(3) charitable organization. Funding for all projects is through the membership, HSV residents, area businesses and organizations, community grants, etc.

CONCEPT DOCUMENT
Updated April 6, 2016

The HSVCPAAA desires to provide the HSV Police Department with a state-of-the-art MILO Range Simulator which includes all needed optional accessories. MILO Range has set the international standard for interactive use of force, tactical judgment training, and firearms training systems. They are the world’s leading simulation provider for government, military, law enforcement, and police agencies worldwide. Their customizable simulations deliver safe and realistic training options.

The HSV Police Department, and any outside police agency authorized by the HSV Police Department, will have first rights to the use of the training system for continuing education.

The HSVCPAAA believes that the system can be an awareness tool for the HSV Police Department to provide the residents with firsthand, live experience scenarios of what a police officer may face during a daily work shift. There would be a small fee for its use by the residents.

Prior to any fundraising, however, there needs to be a location for the new HSV Police Department Training Center which will house the simulator. The POA Executive Office has identified two vacant, unused buildings.
ELEMENTS REQUIRED FOR
HSV POLICE DEPARTMENT TRAINING CENTER

- Adequate Parking
- Kitchen
- Restrooms
- Outdoor Events Area
- Secure Police Firearms Lock Up
- Main Room (simulator, spectators, large events)
- Multi-Purpose Room (computer, smaller meetings etc.)
- Storage Space (tables, chairs, equipment, etc.)
- Security & Outdoor Lighting (TBD by HSVPD)

Examples

Restrooms

Kitchen for Light Refreshments / Events

Secure Police Firearms Lock Up

Example of Lockable Cubbies

POLICE FIREARMS LOCK UP

- Law Enforcement personnel are be the only ones permitted to bring firearms into the facility. Only those participating in the simulator training are required to lock up their firearms in the lockable cubbies. Supervisors and observers are exempted.

- Whenever Law Enforcement personnel are using the building, the ENTRANCE DOOR will be locked. The public sector will not be allowed inside the building during this time unless under the direction of the HSV Police Chief.
Multi-Purpose Room for CPAAA meetings, HSVPD meetings / classroom. May also be the location for the Simulator Computer Equipment.

Main Room will house the MILO Training Simulator, plus have space for spectators/observers and users. Tables and chairs can be set up for public events.

Storage Space (table, chairs, equipment, etc.)

Outdoor Events Area
MILO Range 180 Theater

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MEMORANDUM OF UNDERSTANDING (MOU)

BUILDING LOCATION, INSURANCE & SECURITY
- Building identified and approval granted by POA Executive Office.
- Building insurance to be under the POA umbrella.
- Building security to be identified, recommended and implemented by the HSVPD.
- Signage (TBD) required inside and outside the building.

FUNDRAISING
- Fundraising goal = $99,000 for the MILO Range 180 Theater Training Simulator.
- Continued fundraising and public sector fees will be used to acquire additional options to complete the full training package, as needed.
- The MILO Range 180 Theater Training Simulator will be a big draw for law enforcement agencies around Arkansas and the surrounding states. Could become another location for state-mandated firearms training certification.
- The simulator and Training Center are great amenities for advertising Hot Springs Village.

POLICE AGENCIES OPERATIONS
- Reservations by outside agencies will be through the HSVPD.
- Staffing and training will be by HSVPD.
- HSVPD to have dedicated time set aside every week, or longer if hosting other agencies.
- Usage fees (if any) to be determined by HSVPD.

PUBLIC SECTOR OPERATIONS
- CPAAA to staff building for the first year, then revisit the topic regarding next steps.
- Fees TBD.
- Need to decide on collection methods (cash, checks) and repository of monies.
- Fees collected will be disbursed to the HSVPD for future police needs not covered in the POA budget.
- Sign-in / waiver form required upon entering the building.
- Children under 16 years will need to be accompanied by an adult.
- Verbal check to ensure the No Firearms Allowed inside Building rule.
- Usage will be for entertainment only, not for training by CPAAA staff.
TIMELINE

January 2016
• HSVCPAAA identifies training simulator for HSVPD project

February 2016
• Simulator location discussed & recommended by POA Executive Office
• HSVPD Training Center created
• Concept Document presented to POA Executive Office for comments and buy-in

April 2016
• Concept Document re-worked & presented to POA Board of Directors
• MILO Range Theater Fundraising Officially Starts
• HSVCPAAA website project info & donor pages (http://hsvcpaaa.com)

Fall/Winter 2016
• Fundraiser goal of $99,000 reached
• MILO Range 180 Theater installed by MILO representative
• On-site Train-The-Trainer sessions with MILO representative that includes HSVPD & HSVCPAAA (selected) personnel

January 2017
• HSVPD Training Center opens
• First 3 months set aside for HSVPD training
• State tax exemption goes into effect

April 2017
• Public Open House – Show ‘n Tell
• Public Sector Usage:
  o Restricted hours & fee (TBD)
  o For entertainment only – not for training purposes
  o Reservations made on-line (details TBD)
  o Non-HSV residents need to check-in at Guardhouse
  o Signed Liability Release Waiver required
  o Kids under 16 years need to be accompanied by an adult
HSV Police Department Training Center
Liability Release Waiver

I, ________________________________, hereby waive the Hot Springs Village Property Owners Association (HSVPOA), the Hot Springs Village Police Department (HSVPD) and Hot Springs Village Citizen Police Academy Alumni Association (HSVCPAAA) from any liability of injury, loss or damage to my person or property in association with activities taking place in the HSV Police Department Training Center. I acknowledge that I am not bringing any firearms into the building. I am aware that this waiver is legally binding and I sign it out of my own free will.

Participant's Name __________________________ Date ______________

Signature __________________________ HSV Resident? Yes [] No []

FOR PARTICIPANTS UNDER 16 YEARS OF AGE

PLEASE PRINT

Participant's Name __________________________ Age ______

Participant's Name __________________________ Age ______

Participant's Name __________________________ Age ______

Participant's Name __________________________ Age ______

Parent/Guardian/Designated Adult __________________________ Date ______________

Signature __________________________ HSV Resident? Yes [] No []

- 7 -
MILO Range PRO Training System

This system offers the most advanced feature set available for interactive Use-of-Force and Firearms training. Included with the system are over 700 ready-to-train scenarios, the MILO Course Designer scenario-authoring software, and an extensive library of interactive CGI firearms drills and exercises. The MILO Range PRO system comes out of the box ready to help any size law enforcement agency meet their training objectives. A full warranty and an on-site train-the-trainer course are included.

The MILO Range Pro system comes with the most advanced set of training features available today including:

- **Touchscreen Operation**: MILO Range is the first simulator company to offer a fully touch screen compatible system for conducting training sessions. With the new, intuitive MILO 4 training interface, any trainer can quickly and effectively deliver training without any keyboard or mouse.

- **Full High Definition Video**: MILO Range was the first and remains the leader in High Definition Video for simulation training. By supporting all the standard HD video formats, all existing standard video, and easy capturing and editing tools for both standard and high definition video, the MILO Range PRO ensures a future-proof system that doesn't leave any of your existing training content behind.

MILO Range is the only system to include full 1920 x 1080 training videos and is the only simulator that supports the user easily filming their own Full HD 1080 video scenarios without any video editing software or special skills required.

**Interactive Graphics Exercises**: In addition to standard and high definition branching video scenarios, all MILO Use-of-Force products support interactive, graphics-based firearms exercises and drills. GraphX offers modules ranging from basic target tracking exercises to a complete user-defined Course of Fire and Marksmanship drills.

- **All GraphX applications** have settings to accommodate the skill level of the shooter and fully support both laser and Live Fire modes. The advantage of a true graphic environment for firearms drills and exercises is the increased timing and target accuracy and free-form target interaction.

- **Support up to 16 simultaneous individually detected untethered weapons**: Traditional use-of-force simulators support 4 to 6 simultaneous weapons. The MILO Range PRO system supports up to 16 simultaneous weapons; with up to 4 weapons being assigned to each student.

- **Features include**: Weapons, Lowlight and Flashlight, GraphX, Scenarios, Knowledgebase, Trainee Action Capture, Taser, Return Fire, Range Anywhere, Live Fire, Recoil Weapons, Kinect for Windows.
Some of the Pre-Loaded MILO GraphX Applications

- Firing Range Daytime
- Firing Range w/ Flashlight
- Turning Targets
- Dueling Tree
- Poppers
- Shoot House
- Plates
- Shot Grouping
- Indoor Range
- Home on the Range
- Running Man
- Multi-Lane Marksmanship
- Exploding Targets
- Target Match
- Exploding Target Tracking
- Steel Field
- Target Tracking
- Hostages
- Dynamic Room Breaches
- Hostage Exercises
- Target Identification
- Interdiction Exercises

Some of the Contemporary Training Topics Included With the MILO System

- Active Shooter Situations
- Armed Disturbances
- Burglaries & Alarms
- Public Security and Safety
- Disorderly & Intoxicated
- Domestic Disturbances
- Emotionally Disturbed Persons
- Homeland Security and Anti-Terrorism
- In Custody & Corrections
- K-9
- Patrol
- PMC & Military
- Probation & Parole
- Skill Builders
- Special Operations
- Tactical Anatomy
- Threat Risk Assessments
- Traffic Stops
- Transportation
**Handguns**

These are supported with either WRK lasers for dry-fire operation or WRK recoil kits for simulated recoil with no modification to the weapon. Dry-fire lasers are fitted with different ring sets for each pistol caliber including .38, 9mm, .40 and .45 Auto. Each weapon can be assigned a unique ID to be uniquely identified during MILO training sessions.

**Carbines, Patrol Rifle & Long Guns**

Rifles are supported with both WRK recoil kits and dry-fire lasers which install in minutes and require no permanent modification to the weapon. Each weapon can be assigned a unique ID to be detected and individually identified during training sessions.

**Trainee Action Capture**

The MILO Range PRO and Advanced systems include IES's Trainee Action Capture (TAC) feature which records both color video and digital audio of the student during the training session. Instructors can then replay the captured video in normal and slow motion, as well as frame by frame.

- The HSVCAPA AAA's goal is to raise funds for a MILO Range Theater 180 Simulator.
- The MILO Range Pro (one 10-foot screen model) has many of the enhanced features that are included in the MILO Range Theater 180 (three 10-foot screens model).
- The MILO Theater 180 Simulator allows the trainee to receive the real environment atmosphere by covering the trainee's peripheral vision in the situation they are simulating.
This system provides you with a fully immersive training environment. With the enhanced field of view that Theater offers, you can increase trainee realism and offer true-to-life training scenarios.

The MILO Range Theater is interactive from all directions, allowing trainee responses to multiple threats and applications of proper tactics simultaneously.

The system is operated by a single instructor using either a touchscreen monitor or wireless tablet. The MILO Range Theater offers many out-of-the-box advantages:

- Ultra-wide field of view
- 180 and 300 degree configurations
- Team training
- CQB & CQM Training
- Full HD video on each screen - up to 1920x1080
- CGI Marksmanship & Reactive Targeting
- Laser and/or Live Fire
- Lethal & Less Lethal weapon options
- Lowlight / Flashlight
- 180 and 300 degree configurations
- Trainee Action Capture video
- Single instructor for operation and training
- Touchscreen & Wireless Tablet control
- Supports up to 16 trainees
- Supports America's Army, Unity and VBS2 Training Platforms
- Theater 180

The Theater 180 system offers a 3-screen configuration that provides enhanced field of view for even more realism and effectiveness. The Theater 180 includes:

- Complete system with control station
- 3 standard HD projectors
- 3 laser projection screens
- Surround Sound system
- 8-lane laser hit detection
- 2 trainee weapon sets - firearm lasers, OC lasers, Tasers & Flashlights
- Scenario authoring
- Cabling & mounts for all components
Outline of MILO Simulator Presentation

Handouts provided for Board and Staff

Page 1
- CPAAA Mission Statement
- Concept Document for Milo Range 180 Theater Simulator

Pages 2 - 3
- Elements required for HSV Police Training Center

Page 4
- Facility Schematic for Illustration Purposes

Page 5
- Memorandum of Understanding (MOU)
  - Building Location, Insurance and Security
  - Fundraising by CPAAA
  - Police Agencies Operations
  - Public Sector Operations

Page 6
- Timeline

Page 7
- Waiver Example

Pages 8 - 10
- MILO Range PRO Training System

Page 11
- MILO Range Theater 180

Q & A

Prepared 4-6-16