NIGHT VISION OPERATOR

COURSE OVERVIEW AND INSTRUCTIONAL GOALS

COURSE OVERVIEW

Night Vision equipment can give SWAT Operators a significant advantage and can aid in both mission success and officer safety. Successful operations using Night Vision requires selecting appropriate equipment, understanding of how NVG’s (Night Vision Goggles) work and their capabilities and limitations, as well as how to develop a dedicated NVG training program. This two-day course will cover a systematic approach to equipment selection, use, its limitations and operational considerations through classroom discussions, practical exercises, live fire range drills and scenario-based exercises using marking rounds.

NOTE: STUDENTS OR CO-HOST MUST SUPPLY ADEQUATE QUANTITY OF NIGHT VISION GOGGLES TO SUPPORT THIS COURSE

INSTRUCTIONAL GOALS

Upon completion of this course the attendee will be familiar with:

1. Legal aspects and implications of NVG use in SWAT Operations
2. Night Vision Technology and NVG’s tube generations
3. Basic NVG equipment, helmet brackets, mounts, transfers arms, etc.
4. How other equipment interacts or is used in conjunction with NVG’s such as day optics and weapon lights
5. The use of IR (infrared) Laser aiming devices
6. IR Laser eye safety issues
7. Team member identification and tracking of personnel
8. Shooting with carbines and pistols under NVG’s
9. Operational considerations
10. The importance of training, development of team SOP’s
# NIGHT VISION OPERATOR

## DAY TO DAY / HOUR TO HOUR AGENDA

### DAY ONE

<table>
<thead>
<tr>
<th>Hours</th>
<th>Instruction</th>
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<tbody>
<tr>
<td>1500-1530</td>
<td>Introduction and Course Overview</td>
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<tr>
<td>1530-1600</td>
<td>Legal Aspects and Implications</td>
</tr>
<tr>
<td>1600-1700</td>
<td>Night Vision Technology and Equipment Selection</td>
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<tr>
<td>1700-1800</td>
<td>IR Aiming Laser and Eye Safety Issues</td>
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<tr>
<td>1800-1900</td>
<td>Tactical Consideration and NVG Training Development</td>
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<tr>
<td>1900-2100</td>
<td>Individual Task Exercises, Obstacle Course</td>
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<tr>
<td>2100-2300</td>
<td>IR Laser and Weapon Zero (Live Fire)</td>
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### DAY TWO

<table>
<thead>
<tr>
<th>Hours</th>
<th>Instruction</th>
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<tbody>
<tr>
<td>1900-2200</td>
<td>Weapons Drills, Carbine and Pistol (Live Fire)</td>
</tr>
<tr>
<td>2200-0100</td>
<td>Building / Room Clearing Drills (Marking Rounds)</td>
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<tr>
<td>0100-0200</td>
<td>Rural Movement</td>
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<tr>
<td>0200-0300</td>
<td>Final Exercise (Marking Rounds)</td>
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</table>
I.  Preface

   A.  Course Overview
   B.  Instructional Goals
   C.  Agenda
   D.  Outline
   E.  Co-Host Logistics
   F.  Safety Briefing

II. Night Vision Equipment and Technology

   A.  Legal Aspects and Implications of NVG Use
   B.  Assessing the Need for NVG Capabilities
   C.  Overview of NVG Technology
   D.  Systematic Approach to Building an NVG Kit
   E.  NVG Training Program Development
   F.  Developing NVG SOP's

III. Practical Application of NVG’s

   A.  Operational Considerations
   B.  Team Member Identification
   C.  Rural Movement
   D.  Clearing Structures
   E.  Transitioning to White Light
   F.  IR Laser Safety Issues
   G.  Shooting Drills Using NVG Equipment
NIGHT VISION OPERATOR
CO-HOST LOGISTIC REQUIREMENTS

CLASSROOM

Adequate seating for up to 34 students with tables, good ventilation
Marker board and markers
Flip chart with paper

AUDIO VISUAL

LCD Projector for computer presentation
Large projection screen (minimum of 6’x6’ screen size)
Speaker system to connect to laptop for audio
Extension cord and power strip
AV table or cart

RANGE

Square range with 20 lanes
Target stands and paper targets
Shoot and no shoot targets
Rifle grade steel targets
Capability of turning off all lights if possible

MOVEMENT AREAS

Shoothouse for room clearing using Simunition® marking rounds
Multiple structures are helpful

OTHER

Obstacle course (if available)
Open / rural / wooded area for rural ops movement

NOTE: STUDENTS OR CO-HOST MUST SUPPLY ADEQUATE QUANTITY OF NIGHT VISION GOGGLES TO SUPPORT THIS COURSE
NIGHT VISION OPERATOR
STUDENT EQUIPMENT LIST

INDIVIDUAL

Law Enforcement ID
Night Vision Monocular or goggle capable of being helmet mounted
Helmet with appropriate NVG mounts
Entry Carbine with 3 magazines, sling and weapon light (IR laser recommended)
250 rounds of non-AP ammo
Duty handgun with 3 magazines (Pistol light and night sights recommended)
Simmunition® bolt / conversion kit for carbine
100 Simmunition rounds for carbine
Standard tactical gear
Handheld flashlight
Eye protection (Clear lenses)
Hearing protection
1) Flash bang (optional)
Pen and note pad
Spare batteries