

NIGHT VISION

AND NIGHT VISION GOGGLE TRAINING

The ETC Night Vision and Night Vision Goggle Training System's (NVT/NVGT) are comprehensive systems, which provided together; impart total preparedness for night vision and night vision goggle use.

These unique programs are provided in four distinct sections. The first section of the program addresses unaided night vision by providing the appropriate classroom instruction and night vision exercises to facilitate this practice.

The remaining three sections of the program comprise the Night Vision Goggle Training portion of the curriculum where students concentrate on aided night vision. First, students focus on how

night vision goggles work, their capabilities and limitations, and the operational considerations associated with NVG flight operations. Secondly, students learn NVG preflight, fitting, and focusing procedures and the thirdly and finally the night vision goggles are used in conjunction with exercises that utilize a Terrain Model Board in an effort to teach pilots proper NVG image interpretation.

Together, these systems optimize personnel night vision effectiveness, and reduce mishaps by providing the comprehensive and necessary training for night flying in unaided and aided night vision operations.



NIGHT VISION GOGGLE
TRAINING TERRAIN BOARD



INCREASE LOW-LIGHT
VISIBILITY



GOGGLE POSITIONING
AND FOCUS ADJUSTMENT



AIRCREW TRAINING SYSTEMS

125 James Way, Southampton, PA 18966 USA

ph. 215.355.9100 • fax 215-357-4000

ATS@ETCUSA.COM www.ETCAircrewTraining.com

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APPLICATIONS

Training

- Autokinesis
- Pre-use Checks
- Night Scanning
- Silhouette Recognition
- Various Weather
- Various Terrain
- Goggle Use, Focus and Care
- Unaided Night Vision

BASIC PERFORMANCE CHARACTERISTICS

NVT

- Computer driven, automated image generation
- High resolution images

- Lighting effects demonstration system
- Silhouette presentation
- Autokinesis demonstration
- Night scanning demonstration
- Weather effects demonstration
- Academic classroom materials provided

NVGT

- Computer driven, automated image generation
- High resolution images
- Physical scaled model and/or virtual terrain board
- Geographically specific terrain – Customer Designated
- Goggle positioning and focus adjustment
- Goggle pre-use checklist
- Academic classroom materials provided

ADVANTAGES

- Identifies any potential visual challenges resulting from reduced or absent light.
- Allows repeated practice of night vision and night vision goggle techniques.
- Terrain specific NVGTS imparts familiarity with topographical features from the air
- Portable system, requires no special facility.
- Familiarizes aircrew with proper night vision challenges and corrective procedures



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