



NVG Virtual Simulation System for Training Crewmembers

26 OCTOBER 2009 -- Night Flight Concepts (NFC), a comprehensive aviation night vision solution company, announces a state-of-the-art night vision goggle (NVG) crewmember training program. The core of the NVG Crewmember Training Program is the Night Readiness, LLC (NR) Virtual Terrain Board™ (VTB) Training System. The NVG Crewmember Training Program and VTB Training System are being offered as part of Night Flight Concept's *Turn Green... Turn Key*™ training solution package as the exclusive distributor of the NR VTB Training System to the EMS community.

The Virtual Terrain Board™ (VTB) Training System is a NVG simulation platform for training the capabilities and limitations of NVGs. The VTB is intended to be a major component of any overall NVG training program. It provides an immersive environment where the student views a normal unaided night scene in a blacked out classroom. When viewed through NVGs, the same scene will be an extremely high definition, true physics-based NVG representation. The VTB creates the various NVG attributes that are generally included in NVG course training objectives such as:

- Effects of Various Illumination Levels on Image Quality
- Appearance of Power Lines / Estimating Distance to Point Light Sources
- Effects of different atmospheric obscurants, such as rain, snow, and dust

The VTB Training System, in addition to extremely high fidelity rendering of the NVG environment, features a slew and zoom capability (software version 2.0) or a "fly-through" mode at different altitudes (software version 3.0). Numerous types of moving models and special effects are being requested by operators and are currently in development. These include, but are not limited to:

- Moving vehicles over various terrains such as ambulances and police patrol vehicles
- Ships, Oil Platforms and reflections in various sea states
- Weather effects and inadvertent entry into IMC
- Laser effects on the Aircrew
- Customized scenes for EMS operators such as hospital helipads and scene landings

The various features above can be grouped and sequenced to form training modules to fit various customer training programs. The VTB Training System uses basic core training modules based on civilian Night Vision Goggle Training Course curriculum, which is based on the typical emergency medical/rescue service operator flight profiles.

To experience or purchase the Night Readiness, LLC Virtual Terrain Board™ Training System, visit Night Flight Concepts at the AMTC 2009 Conference in San Jose, CA at exhibitor Booth #1216.

About Night Readiness, LLC: Night Readiness, LLC is a company dedicated to providing high fidelity, state-of-the-art NVG training systems at an affordable price. Using our unique, NVG digital projection training system, we offer users and trainers the opportunity to see and understand all aspects of the NVG environment prior to flight enhancing safety and training effectiveness. For further information, please visit www.nightreadiness.com

About Night Flight Concepts: Night Flight Concepts (NFC), based in Port St. Lucie, Florida is a comprehensive night vision technology (NVT) provider specializing in night vision goggle (NVG) flight training, inspections, maintenance and support for fixed and rotary wing aircraft worldwide. NFC also offers cockpit, cabin, and crew station night vision compatible lighting, modifications, equipment and related consulting for customer specific mission requirements and is the exclusive distributor of

the Night Readiness Virtual Terrain Board to the United States non-military end-user. *Turn Green...Turn Key*[™] is a comprehensive all-inclusive solution for Night Vision Goggle operators. For further information, please contact our staff at 888-NFC-TRNG (888-632-8764) or visit www.nightflightconcepts.com



VTB 2.0 scene of a helicopter pad on top of a metropolitan medical center.