



NIGHTREADINESSLLC

Virtual Training Systems for Night Operations

For Immediate Release:

Night Readiness, LLC now brings its interactive, realistic Aviation NVG training technology to Ground Forces training

Visit Night Readiness @ I/ITSEC 2011, booth # 2935, for live NVG dark room demonstration!

CHANDLER, AZ (November 2011). Night Readiness, LLC, the leader in aviation night vision goggle (NVG) training technology, now brings the interactive realism of its Virtual Terrain Board™ (VTB) to ground forces training. This new NVG training capability, designed by ground force night operations experts, provides specific curriculum with scenarios and tactics unique to ground forces training operations.

“Answering our customers’ need for the same high fidelity, interactive NVG training now offered by the VTB 3.0 for the aviation training community, Night Readiness presents a new training system specifically designed for our ground level forces. This introduction continues Night Readiness’ tradition of academic excellence for NVG classroom-based training systems deployed in US and International militaries, LE, EMS and other government agencies.” says Stephen Hatley, Night Readiness LLC President. “Our new Ground Training System presents ground level scenarios and high resolution databases targeted towards the requirements of ground forces night operations training.”

The VTB’s unique, interactive and hands-on classroom-based simulation system satisfies operational readiness requirements through a sequence of immersive NVG engagement scenarios set within varying illumination and environmental conditions. The Virtual Terrain Board’s Ground Forces Training content provides photorealistic scenes for direct viewing by actual NVGs with full, look-under, unaided viewing capability.

Night Readiness’ combination of advanced simulation technology and academics for the VTB allows trainers to expose students to the dynamics of NVG operations in diverse and engaging ways in the classroom. The instructor has the ability to manipulate critical environmental factors including shadows, lighting effects, illumination and atmospheric. The result optimizes ground force readiness by training reflexes and intuitions critical for effective night operations.

VTB - Ground Forces Training viewing features for most effective NVG training include:

- Unaided Night Views: Without NVGs
- NVG-Aided Views: User driven & lesson-guided views depict full range of conditions
- Daytime: Full time-of-day range views
- Diverse scenario content: 3D production supports a broad range of ground training modeling.

Virtual Terrain Board (VTB) 3.0 for Aviation NVG Academic Training

The Virtual Terrain Board™ (VTB) 3.0 Night Vision Goggle (NVG) classroom training system delivers high-fidelity, realistic, cost-effective NVG academic training with highly-detailed, interactive NVG imagery and classroom curriculum in one comprehensive training package. Night Readiness' VTB 3.0 uses proprietary virtual night vision environment technology for rapid, dynamic, realistic NVG effects on all types of terrain recognition and environments. These VTB-NVG aspects are all easily controlled and demonstrated by the classroom instructor. The VTB training system includes software, hardware, NVG databases and NVG academic curriculum.

The Virtual Terrain Board (2.0) was originally designed and fielded in 2006 to introduce the capabilities and limitations of NVGs to pilots and aircrew. As a state-of-the-art, yet cost effective classroom simulation training system, the VTB out performed previous NVG academic instruction taught with slides, video or the physical terrain board. The VTB now trains NVG users in all US military branches: USAF, US Army, USMC/Navy; Homeland Security, Law Enforcement and other US government agencies and International militaries.

Interactive NVG flight environment and conditions help reinforce critical night-flight instruction for safer NVG flight operations. Students need to experience and understand a wide variety of realistic terrain, visibility and illumination conditions prior to their first actual NVG mission. The powerful VTB classroom instruction training system saves flight hours, maximizes readiness and creates better prepared pilots and aircrew for their NVG environments.

NVG Training Curriculum: The VTB 3.0 Training System includes five training lessons demonstrating critical NVG characteristics to operators for aviation initial and refresher training. Plus an interactive free-fly training flight section offers in-depth options such as lunar illumination, weather, visibility, database location terrain and aircraft formation. The five lessons and free-flight section: 1. Illumination & Contrast, 2. Lighting Effects, 3. Shadow Effects, 4. NVG Operating Environment, 5. Misperceptions & Illusions, 6. Interactive Free-fly training flights

Night Readiness, LLC

Night Readiness, LLC is a company dedicated to giving a night readiness edge to your night operations. Based in Chandler, AZ, Night Readiness delivers high-fidelity, state-of-the-art, yet cost-effective, night vision goggle training systems to domestic and international militaries, law enforcement agencies and other first responders, and additional government and public-use civilian agencies.

Backed by our simulation staff of experienced system engineers, analysts and synthetic environment modelers, Night Readiness training personnel have extensive night operations experience in night vision training for air and ground operations.

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ITAR Controlled: The Virtual Terrain Board™ (VTB) training system is controlled for export purposes under the International Traffic in Arms Regulation (ITAR), Title 22, Code of Federal Regulations part-120-130. The VTB requires authorization by the US Department of State, Office of Defense Trade Controls, prior to export or transfer to a non-U.S. Person. Contact Night Readiness, LLC for details.