

Recruiting Station Chicago Commanding Officer

January 21, 2010

To Whom It May Concern:

As background, I became familiar with TransLumen after assuming my current position following tours in Iraq and Afghanistan. TransLumen Technologies has developed an innovative training technology that I believe will advance perceptual training methods for Warfighters. We are engaged in ongoing invisible combat with an enemy that hides, conceals and misdirects our attempts to find and identify them and we must employ our best technology to train our ability to "see" this menace. My experience with training our warfighters leads me to conclude that our ability to conduct true observation for long periods of time is lacking.

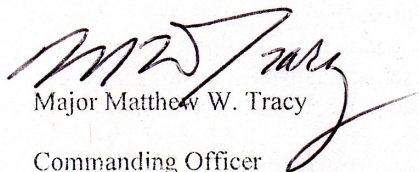
Applying TransLumen's STEGC to photographs and video will allow us to train to detect visual cues which often go unnoticed. Our current observation training is limited to a small group of Marines who receive limited, expensive and time consuming training on stalk lanes or the new "Combat Hunter" observation class.

With TransLumen's distributed training module that can be updated in a matter of hours as new threats emerge and then exported to fully integrated training modules for command centers, laptops, mobile via DVD and streaming interactive training will cost effectively increase practical application time. With this training post standers to point man could face shoot/ don't shoot situations, take action to avoid IEDs, man-made obstacles, identify direct and indirect fire. The system must also be a realistic, joint training system design to constantly test the warfighter's ability to maintain vigilance, identify and assess threats, and take appropriate action.

TransLumen employs a patented process called Subthreshold Extreme Gradual Change (STEGC) to alter stills and videos to subtly change images at the pixel level in simulations and photography. In recent independent tests, initial results indicated that STEGC can advance warfighters' observation skill by improving their ability to recognize anomalies in scenes and reduce visual bias in scene perception by the approximately 25%. Additional testing is being conducted within convoy simulators and distributed trainers to take the technology into these environments.

In summary, TransLumen offers next generation training potential which will help forces to improve any point man's, post stander's, or observer's abilities across the Observation Act Spectrum of Realizing, Recognizing and Recalling what they are "Seeing" and bring a seamless, repetitive training environment which mirrors natural events enhancing the warfighter's cognitive abilities.

Respectively,


Major Matthew W. Tracy

Commanding Officer

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