



Live, Virtual, and Constructive Technologies

Air National Guard Distributed Training Operations Center

In the mid-2000s, heightened awareness of homeland security and the demand for trained forces for the wars in Iraq and Afghanistan drove the Air National Guard (ANG) to seek cost-effective training solutions. At the time, ANG's own Distributed Training Operations Center (DTC) performed only two to three ANG-focused distributed simulation training events a week. Today, with the help of Booz Allen Hamilton's expertise in Live, Virtual, and Constructive (LVC) training solutions, the facility provides more than 100 events a week and is the small-scale, persistent Distributed Mission Operations (DMO) service provider for the entire ANG, Air Force Reserve Command, and Air Combat Command.

Ready at a Moment's Notice

As the Air Force's Reserve component, the ANG has both federal and state responsibilities. Both missions require that ANG personnel be well trained and ready at a moment's notice to support the United States in warzones and in national emergencies domestically. However, training requirements for this dual mission differ from those of the Active Duty Air Force. In addition, shrinking budgets and the high cost of live-fly exercises led Air Force and homeland defense leadership to look for alternative training solutions. Many have turned to constructive simulations to help keep our nation's warfighters at the appropriate level of readiness. LVC technologies can replicate realistic mission conditions using real or simulated people, systems, and environments. The capabilities provide flexible,

cost-effective mission rehearsal training on government-owned and commercial off-the-shelf platforms.

What Booz Allen Does

Since 2004, Booz Allen has continuously supported the ANG DTC, which is the primary provider of daily, small-scale LVC training for more than 100 Air Force (Active, Guard, and Reserve) and Joint weapons systems and ground command and control agencies. Our partnership with the ANG resulted in fiscal year 2011 DMO training event numbers exceeding 4,000.

We have applied LVC methodologies and techniques to a multitude of training and readiness requirements, such as schoolhouse initial qualification training, continuation training, combat mission ready maintenance, weapons school spin-up, and mission and deployment spin-up. Our professionals serving DTC include subject matter experts (SME) in operations, network management, information assurance, security, hardware and software configuration and maintenance, standards, mission planning support, scheduling, and strategic planning support.

Booz Allen provides network connectivity to simulators and systems around the world, and we plan, prepare, and execute 15–20 distributed simulation events a day with users around the world. As part of event facilitation, our domain experts and SMEs role play the entities and organizations that would participate in the actual mission.

Ready for what's next. www.boozallen.com

Helping ANG Be Ready for What's Next

Booz Allen has helped shape the evolution and emerging capabilities of the DTOC with hardware, connectivity, and operational support. Exponential increases in customer mission requirements have dictated continual, and sometimes extreme, changes to organizational processes and staffing. We work with DTOC's customers to develop and implement detailed and powerful training scenarios that simulate the real-world missions our warfighters are supporting.

The Air Force will continue to look for opportunities to shift training and readiness requirements into the LVC environment. Our innovative and cost-effective distributed simulations support solutions currently in place at the ANG DTOC will become increasingly important in maintaining an effective and ready force for the nation's next military engagements.

Combining our in-depth LVC domain expertise with our program management approach, we have helped transform the DTOC from a small, little-used organization to a large organization offering persistent training support to users around the globe.

Ready to Help You

Booz Allen's work with the ANG DTOC is one example of the power of our LVC expertise. Our strategy and technology consultants help defense organizations use distributed training solutions to maximize force readiness and reduce costs. We combine expertise in training methodologies and LVC with deep knowledge of our clients' culture and requirements to help them achieve their training objectives. To learn more about this project and how we can help you use LVC to be ready for what's next, visit www.boozallen.com/defense.

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About Booz Allen

Booz Allen Hamilton is a leading provider of management and technology consulting services to the US government in defense, intelligence, and civil markets, and to major corporations, institutions, and not-for-profit organizations. Booz Allen is headquartered in McLean, Virginia, employs more than 25,000 people, and had revenue of \$5.59 billion for the 12 months ended March 31, 2011. (NYSE: BAH)

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