

# Capability Statement



## Core Competencies

Develop, deploy, and manage innovative virtual training solutions;

- Cyber Range – VirtualOnDemand (VOD)
- Learning Management System

## Company

**NACON Consulting, LLC**, founded in 2001, developed a cyber range, or virtual training lab, called VirtualOnDemand (VOD). VOD enables student interaction, system administration and resource provisioning of virtual machine environments such as applications, software, hardware (physical and virtual), databases, operating systems, and even networks, all thru a modern browser. This browser-based platform allows for hands-on training in a private cloud and the ability to develop practical exercises that reduce administrative costs while increasing skills and content retention. VOD's persistent training environments operationalizes schoolhouses by tailoring training for both the individual and collective experience. NACON's experienced team of professionals are cleared to the TS/SCI level.

## Past Performance

**U.S. Army Information Assurance Virtual Training Classroom (IAVTC)** – Over the past 18 years, NACON has supported the Cyber/IA Directorate by delivering and supporting an LMS with 40+ cybersecurity related courses including IA Computer Network Defense (CND) and Security Technical Implementation Guides (STIGs), with an integrated cyber range, VOD, which includes tools such as scanners and firewalls. This CAC enabled environment delivered 5M training certificates to 1.5M registered users.

**Department of State (DoS)** – As a subcontractor, NACON deployed LMS and VOD to deliver DoS specific content to allow for instructor-led classes including: Permission Configuration & PC Collection Techniques, Network Analysis & Network Attach Techniques. This VOD environment provided a virtual campus for students from around the world to hands-on virtual machine practical exercises.

**Advanced Leadership Course Ft. Huachuca AZ (35Q)** – Cryptologic Network Warfare Specialist, thru VOD, is able to virtually interact with malware, applications, and networks which are isolated from production environments. Students work in a school house with an instructor on TS/SCI courseware on the VOD for both team collaboration and individual performance.

**Defense Security Service Virtual Training Classroom (DVTC)** - Faced with the challenge of reviewing students past virtual lab's scenarios and configurations, NACON developed and deployed a "persistence-based" lab environment to allow students the ability to save their work within the VOD so that it could be accessed later.

## Virtual Training Lab

- **Network Isolation** - Malware, applications, and devices are isolated from production environments while having the ability to interact with them.
- **Browser Based** – Access complex networks & programs in any modern browser. No additional software required.
- **Shoulder Surfing** – Instructors can view and interact with a student's virtual machine in real-time.
- **Instructor Sharing** – Instructors can share their virtual machines to students in view-only or full-access modes.
- **Hardware Interfacing** – Virtual machines can be configured to connect and interact with physical and virtual hardware.
- **Multiple VMs** – Users can have multiple virtual machines running simultaneously in their private cloud.
- **Scenario Builder** – Ability to simulate complex network-based exercises using built-in GUI.
- **Automatic Housekeeping** – Automatic, unattended provisioning and booting of the virtual machine
- **Persistence** - Users are able to save an instance of the network so it can be accessed later.
- **LMS Integration** - Leverage built-in LMS or can integrate with SumTotal, Moodle, or Blackboard.

## Codes

DUNS: 007816494  
NAICS: 541519  
CAGE: 1VF22

SIC: 7371, 7373, & 7379  
PSC: D310, D307  
FSC: 7010, 2030