

# Joint Terminal Attack Controller (JTAC) Virtual Trainer (JVT)



## Xiphos Partners

Dartmouth, MA  
[www.xiphos.partners](http://www.xiphos.partners)



### Contact:

Kevin Fernandez  
JVT Program Manager  
Xiphos Partners  
[kfernandez@xiphos.partners](mailto:kfernandez@xiphos.partners)

**Topic Number:** N193-A01

**SYSCOM:** Office of Naval Research (ONR)  
[www.onr.navy.mil](http://www.onr.navy.mil)

**Program Sponsor:** ONR Code 34

### Other Potential Programs:

Program Manager for Training Systems (PM TRASYS), United States Marine Corps (USMC), US Air Force Combat Training Squadron (CTS) and Air Support Operations Squadron (ASOS), US Army Joint Fires Observer (JFO) program, Special Operations Command

**Current TRL:** 7

**Projected TRL:** 7 / Q3 2022

### Keywords:

JTAC, JFO, Fire Support, Forward Observer, Virtual Reality, Portable Training

## THE CHALLENGE

Anytime anywhere training simulators to effectively train Close Air Support (CAS) skills in a common simulated operating environment to address shortfall in live sorties needed to maintain readiness.

## THE INNOVATION

Moving from a fixed dome site for training toward a mobile kit-based approach that uses a commercial gaming engine, in concert with a highly realistic head-mounted display and associated hardware packaged in form factor that fits into one-man portable pelican case and can interoperate with existing Program of Record tactical training software.

## THE NAVY BENEFIT

The Joint Terminal Attack Controller (JTAC) Virtual Trainer (JVT) provides portable accessibility to a virtual JTAC/JFO training environment, which up until now exists only in fixed dome sites. While these dome sites have become a staple of JTAC training, they often have impediments to access that result in unmet needs across a given installation. In addition to its immersive and highly realistic virtual training environment, the JVT is also Subject Matter Expert-verified for doctrinal compliance and features intuitive user interface for maximum effectiveness in illustrating end user learning objectives.

## THE FUTURE

JVT will continue to be developed and iterated with a focus to ensure that the trainee can take away tangible lessons as the result of an after-action review module that is forthcoming. JVT is looking to become a Program of Record within at least one component of the Department of Defense. It meets almost all the JFS ESC MOA compliance for JTAC simulations as assessed by USMC personnel.

Innovation Center at 2022 Navy Gold Coast



September 6 – 8, 2022