

WHO

**SYSCOM:** NAVSEA

**Sponsoring Program:** N96

**Transition Target:** IWS-1

**TPOC:** (540) 653-3052

**Other Transition Opportunities:** Navy Planning Process training - including: US Naval Academy, US Naval War College, and Tactical Training Group Atlantic/Pacific

**Notes:** The current 5D-IVIS version has many features that make it an attractive technology to support training the Navy Planning Process. Future feature enhancements would include integration into specific courses and curriculum.



<https://www.dvidshub.net/image/7253271/carrier-strike-group-exercise-2022>

WHAT

**Operational Need and Improvement:** Enhanced Situational Awareness of Complex Missions during the Navy Planning Process

**Specifications Required:**

- 1. 3D Graphic User Interface (GUI)
- 2. Visualization and animate multi-domain COAs
- 3. Support spatial and temporal analysis of COAs
- 4. Enhanced visualization of friendly and threat capabilities
- 5. Provide automated analysis of COAs
- 6. 5-D animations to enhance operator comprehension and contribute to mission planning optimization

**Technology Developed:** 5D-IVIS an Intelligent collaborative platform for developing, visualizing, and wargaming multiple course of action (COAs) with features that include easily exploring 'what-if' scenarios while considering crucial tradeoffs under uncertainty.

**Warfighter Value:** Repurposes the time spent creating COAs requiring laborious doing computations with limited ability to visualize disparate data sources using a tool that provides automating computations, rich visualizations, and focuses users on exploring and considering alternatives scenarios to enhance situational awareness of complex mission.

WHEN

**Contract Number:** N68335-21-C-0149

**Ending on:** Dec 17, 2021

Milestone	Risk Level	Measure of Success	Ending TRL	Date
Phase II Prototype	N/A	Completed	4	2nd QTR FY21
Prototype Update Delivered	N/A	Completed	5	TBD
Final Prototype Delivery	Low	User Test & Eval	6	TBD
If Phase II.5 awarded - NPP Training Updated Software	Medium	Software Delivery	8	TBD

HOW

**Projected Business Model:** Software as a Service Model

**Company Objectives:** Provide enhanced Navy Planning Process training to US Navy organizations to prepare for transition to Navy Operational Use

**Potential Commercial Applications:** Contested Logistics Planning  
Logistics and Transportation Industry Planning