



Call for Innovation (CFI) Opportunities for Member Consideration

Objective:

The EDGE Network is requesting Member collaboration to provide a software solution to displaying Situational Awareness (SA) data and imagery onto a see through head mounted display.

Requested Innovation:

A software graphical engine for directing the display of situational awareness data onto a see-through, heads-up display in correct relation to the environment viewed through the display. The desired state is that situational awareness data be made available to a soldier by being overlaid upon his visual perspective of the battlefield showing locations of friendly forces, cueing routes of movement, sniper-fire traces and imagery beyond line of sight. This would include all software drivers for a Linux based computing platform.

Description:

The focus of this Call For Innovation (CFI) is to solicit software solutions to facilitate spatial representation of high resolution full color images that are superimposed on a soldier's vision. The software must run on an Atom processor based system running Linux. Minimum impact on processor load is desired. This opportunity is envisioned to start as a rapid prototype with some limited number of units integrated for soldier evaluation followed by an integration project into Land Warrior and other soldier systems if successful. Initial rapid prototype systems may be implemented on a separate dedicated platform, but must eventually be co-hosted on a common platform with the Linux operating system and application (Land Warrior App or Advanced War Fighter).

Targeted Timelines:

- Confirmation of Interest in CFI no later than 10 March 2010
- Overview/Whitepaper on Technology Concept by 17 March 2010
- One-on-One discussions on technology and capability demo with The EDGE Network Team

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