



## Call for Innovation (CFI) Opportunities for Member Consideration

- Objective:** The EDGE Network is requesting Member collaboration to provide a see-through color heads-up display.
- Requested Innovation:** A light weight, low power, see-through SVGA display which presents a soldier with mission data and images overlaid onto his field of view with minimal obscuration to his field of view. This display must be capable of accepting standard SVGA input. Any necessary drivers must be Linux compatible. This would include all hardware and software drivers for a Linux based computing platform video source.
- Description:** The focus of this Call For Innovation (CFI) is to solicit display technologies that provide high resolution full color images that are superimposed on a soldier's vision. The soldier will typically (but not always) be wearing a helmet and some form of eye protection glasses/goggles (Oakley, Revision, Wiley...etc), and the display needs to be compatible with those protective items. Typical extreme environments and physical abuse must be considered. The unit will be powered from a nominal 16 volt DC source and must accept SVGA video input. Other considerations are minimization of head-borne weight, eye relief, visual signature minimization (light discipline), resistance to RF interference and (possibly) compatibility with polarized lenses. This opportunity is envisioned to start as a rapid prototype with some limited number of units built for soldier evaluation (can be brass-board) followed by an integration project into Land Warrior and other soldier systems if successful.
- 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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