



WARRIOR INNOVATIONS

# Call for Innovation (CFI)

## Opportunities for Member Consideration

### Objective:

The EDGE Network is requesting Member collaboration to identify navigation technologies for an immediate need aligned to the Ground Soldier Equipment (GSE) competition sponsored by Project Manager – Soldier Warrior (PM SWAR). Other potential applications include: Land Warrior, Law enforcement, Homeland security, and other Military opportunities.

### Requested Innovation:

The focus of this Call for Innovation (CFI) is to identify promising navigation technologies and products to support advanced warfighter position location in both GPS-available and GPS-challenged environments.

### Description:

A critical function of an advanced soldier system is to support accurate navigation in a battlefield environment. Primary capabilities are for soldiers to see their position on a map display and/or the ability for the system to automatically report position to other soldiers or higher echelons.

Navigation technologies include, but are not limited to:

1. High Sensitivity CA-Code GPS
2. P/P(Y) code military grade GPS with SAASM capability
3. Dead Reckoning capabilities
4. Radio-based POSNAV
5. Software that uses data from multiple sensor inputs to compute position solutions

This effort is primarily focused on identifying advanced navigation solutions without specific emphasis on physical implementation. We will consider such things as: autonomous navigation devices that connect to the soldier system, navigation devices that may be embedded into other soldier system devices, or software that improves the overall position solution.

### Targeted Timelines:

- \*Confirmation of Interest in CFI no later than 17 October 2008
- \* Overview/Whitepaper on Technology Concept by 24 October (Prefer the delivery of white paper to be delivered with CFI intent on 17 October)
- \* One-on-One discussions on technology and capability demo with The EDGE Network Team – 30 October

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