



WARRIOR INNOVATIONS

Call for Innovation (CFI)

Opportunities for Member Consideration

Objective:

The EDGE Network is requesting Member collaboration to identify computing 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 computer technologies and products for the Dismounted Warfighter. High performance “PC Class” computing is sought in a small, light weight, passively cooled enclosure.

Description:

In the last 18 months various semiconductor manufacturers have introduced high performance/power ratio processors capable of “PC Class” performance while utilizing minimal power. This effort is focused on leveraging this and other portable computer technologies to provide the following minimum capabilities:

1. X86 compatible architecture
2. Support Microsoft Windows XP and Linux operating systems
3. Solid State Memory
4. Analog Video interface
5. Analog Audio interface
6. Multiple data ports
7. Receive external power from standard Land Warrior batteries.
8. Rugged, small footprint, light weight
9. Passively cooled

Both headless computers or computers with integrated flat panel displays will be considered. All computers must have the capability to be “soldier worn” by allowing it to be attached to a soldier's load carrying ensemble.

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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