



WARRIOR INNOVATIONS

Call for Innovation (CFI) Opportunities for Member Consideration

Objective:

The EDGE Network is requesting Member collaboration to identify battery recharging technologies for immediate needs. These include: the Ground Soldier Ensemble (GSE) competition sponsored by Project Manager – Soldier Warrior (PM SWAR), Land Warrior, Law Enforcement, and Homeland Security.

Requested Innovation:

The focus of this Call for Innovation (CFI) is to identify promising battery recharge technologies and products for the Dismounted Warfighter. Of particular interest are man-packable methods to recharge lithium ion batteries carried by Land Warrior or GSE equipped soldiers.

Description:

Land Warrior equipped soldiers in the past have relied upon relatively short-duration missions and vehicle-based battery recharge methods to satisfy their ensemble power replenishment needs and carry the minimum number & size of batteries. For longer missions or when vehicle recharge capabilities do not exist, alternative methods of battery replenishment are needed. Examples include, but are not limited to: solar power, fuel cells, power scavenging from potentially available sources, and energy harvesting from the mechanical energy of human motion.

Recharging systems must be sufficiently lightweight such that they may be carried by dismounted soldiers, as well rugged enough to withstand the rigors of today's combat environments. Recharging approaches could include distributed methods (such as each soldier recharges their own battery) or centralized methods (such as a single, more specialized soldier carrying equipment capable of recharging multiple other soldiers' batteries).

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

EDGE CFI Focal: Terence Winn – Terence.winn@gdc4s.com

Responses due to: info@EDGEwarrior.com