



WARRIOR INNOVATIONS

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

**Objective:**

The EDGE Network is requesting Member collaboration to advance battery recharging technologies for an immediate requirement aligned to the USAF Battlefield Air Operations kit.

**Requested Innovation:**

A light, rugged, compact recharging system for recharging AA, AAA and Surefire™ type rechargeable batteries in the field using 15V DC (or variable) voltage.

**Description:**

The focus of this Call for Innovation (CFI) is to identify means for soldiers and airmen to recharge common form factor batteries using field power equipment already developed as part of the Battlefield Air Operations kit. The Battery Renewable Integrated Tactical Energy System (BRITES) is a system for providing energy collection, storage, distribution and recharging while in austere environments for long periods of time. At present there is no built in capability for charging commonly used commercial batteries such as AA, AAA and Surefire™ type rechargeable batteries commonly found in tactical electronics.

To be successful, a recharging system would need to accept a 15VDC input from the BRITES power manager using a compatible cable assemble. The device must be lightweight, rugged and when in use should occupy a volume only slightly larger than the batteries being charged. When stowed, the assembly should have minimal volume (stowing flat and flexible would be ideal.)

**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](mailto:Terence.winn@gdc4s.com)

**Responses due to:** [info@EDGEwarrior.com](mailto:info@EDGEwarrior.com)