



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

- Objective:** The EDGE Network is requesting Member collaboration to provide a Weapons Orientation Module.
- Requested Innovation:** A light weight, low power, device that can provide accurate heading, and elevation of a weapon
- Description:** The focus of this Call for Innovation is to solicit technologies that can accurately tell the heading and elevation of a weapon system in order to accurately predict where a round fired from that weapon system will land or hit. The system has to be low power in order to meet a 96 hour requirement before it must be re-charged or batteries changed. It must be light weight and small in order to fit onto a 60mm mortar which is hand carried. It must be accurate in order to predict the fly out of a round from an M119 105mm howitzer (~.35 degrees with 3 sigma accuracy). It must not have onerous calibration/alignment requirements for soldier acceptance. It must be rugged as it will be used by infantry soldiers in the field. It must not be affected by magnetic interference related to configuration changes of the weapon, i.e. change in bipod location on a mortar.
- Targeted Timelines:**
- Confirmation of Interest in the CFI – July 15, 2010
  - Overview/Whitepaper on Technology concept – July 30, 2010
  - One-on-One discussions and technology capability demo – August 30, 2010
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