



Gliding Offensive Lightweight Unmanned Munition (GOLUM) Desiresments

- Objective Glide Ratio: 10:1
- Accuracy: 10m CEP 90
- Top-down strike with adequate terminal velocity
- No laser designation capability
- Navigation: Not solely reliant upon GPS; Not a 1st Person Flyer
- Must operate in a contested communications and EW environment
- Must be able to operate in a hostile temperature range from -40-deg to +145-deg
- Cost is a consideration; Gov't will request estimates for prototypes and production at scale
- Weight: 30 lbs gross weight of the glide munition including the warhead; max warhead weight = 10 lbs
- DEVCOM Armaments Center willing to partner with industry for payload development
- 1st prototype due: 6 months; 1st operational demonstration: 9 months; full-rate production must start NLT 12 additional months
- Prototype units delivered for final demonstration must meet objective repeatable operational requirements
- Produce no less than 10 flight bodies for final demonstration
- Gov't objective is to create a program of record
- Fuze shall be compliant with MIL-STD-1316/MIL-STD-1911
- Fuze shall be selectable with the following modes: point det (PD), point det delay (PD Delay) and height of burst (HOB)

Assumptions

- No GPS signal available to the munition upon release from the aircraft
- The munition will not be designed with a communications node – we expect no ability to recall or re-task the munition while in flight
- Lighter gross weight is better
- The smaller CEP for accuracy is better

