

Question #	Question	Answer
5	Can you please provide the technical specifications for the 7 proof of principle prototypes and any interface control documentation to ensure alignment of our proposed solution with GFE that will be provided?	All solutions submitted are expected to be innovative. There's no requirement to piggyback on proof of principle prototypes referenced. Information on the proof of principle prototypes will be provided upon award.
6	What is meant by the Government not dictating a specific price mechanism per Section 5.2.9 of the RFS? Prior to that statement, USG states that vendors shall submit a FFP proposal. Is the USG open to a Cost Plus option or ROM pricing for the three-phased effort?	By stating "the government is not dictating a specific price mechanism," the government is not dictating the specific payment milestone structure. However, as stated in Section 5.2.9 of the RFS, the vendor should propose payments linked to clearly definable, detailed delivery-based milestones in each phase. The vendors shall also submit a firm-fixed price amount price with their solution.
7	What is the flight profile of the hypersonic mission (Altitude, Mission Duration)? How long at hypersonic speed? What is the Max objective DEW power out of the aperture? What is the estimated low value of efficiency of the laser diodes for DEW (typically about 30% with present technology)? What is max duty cycle desired from DEW? Does increased duty cycle increase offering? Does DEW have a min time to fire from rest or silent watch? If so, what is it?	<p>What is the flight profile of the hypersonic mission (Altitude, Mission Duration)? How long at hypersonic speed?</p> <ul style="list-style-type: none"> - The desired solution is not geared to any specific mission duration or speed and is preferably also applicable to supersonic missions. Typical flight durations are between 8 and 20 minutes, altitudes vary between less than 100,000 and several 100,000 feet. <p>What is the Max objective DEW power?</p> <ul style="list-style-type: none"> - The solution needs to address current power levels of interest to DOD. CUAS, MSHORAD, GBAD, IFPIC and HELCAP are the programs of most interest. <p>What is the estimated low value of efficiency of the laser diodes for DEW (typically about 30% with present technology)?</p> <ul style="list-style-type: none"> - Yes, typically between about 25% and 35% <p>What is max duty cycle desired from DEW?</p>

Question #	Question	Answer
		<p>- Duty cycles are mission specific and range typically from 25% to over 50%, with exceptions for airborne applications.</p> <p>Does increased duty cycle increase offering?</p> <ul style="list-style-type: none">- Merely increasing the duty cycle may not be beneficial. It is also a platform specific SWaP consideration. <p>Does DEW have a min time to fire from rest or silent watch? If so, what is it?</p> <ul style="list-style-type: none">- There is no generic minimum time, firing times and recharge periods are mission specific.