

NNA11392004R
Synopsis
Question and Answer Set
July 25, 2011

1. Is there a TRL threshold you are planning to use for this solicitation and if so what is the threshold?

Answer: For the heritage carbon phenolic we are looking at TRL 3-4 for the new materials probably TRL 2-4

2. What is the heat flux range of interest for the material?

Answer: Will be discussed in the RFP but probably 1,000-10,000 W/cm²

3. Would NASA be interested in materials other than Carbon Phenolic provided they were capable within the heat flux range of interest?

Answer: Yes, we are potentially interested in alternate materials to carbon phenolic but they must show clear promise to have performance comparable to or better than carbon phenolic and/or have significant advantages over carbon phenolic in characteristics such as but not limited to mass, cost, reliability, etc...

Again, must be capable of heat fluxes from 1000 W/cm² all the way to 10,000 W/cm² - Not just the lower end because we need materials capable of being used at Venus or Saturn/Neptune.