



SCIENCE

New Frontiers 4 Technology Workshop

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Purpose of the Workshop

- The New Frontiers Program encourages the infusion of new technologies where beneficial into proposals.
- The goal of this workshop is to educate the potential proposing community on technologies being offered and inform how each technology will be supported to the proposal team.
- Both NASA incentivized and other technologies are participating in this workshop.
- Please be aware that participation in this workshop does not necessarily mean that NASA endorses any particular technology being offered by providers here today.
 - Or that NASA plans to incentivize it, or to fund its development, or to guarantee it will be ready, or to encourage you to use it, etc.
 - The AO will provide the final list of NASA-incentivized technologies.



NASA-Incentivized Technologies



- NASA will provide three types of incentives for technology infusion into New Frontiers investigations:
 - Government-Furnished Equipment (GFE): NASA offers technology or equipment as is to proposal teams (cost is outside of AO cost cap, integration costs are within the AO cost cap).
 - Financial: increasing the AO cost cap for proposal teams that use specified technologies of programmatic importance to NASA.
 - Risk accommodation: possibly limiting the risk assessment of certain specified technologies to only their accommodation on the spacecraft and the mission environment.
- List of incentivized technologies is not yet finalized, but technologies under consideration include:
 - Radioisotope Power Systems (MMRTG and RHUs)
 - NASA Evolutionary Xenon Thruster (NEXT) ion propulsion system
 - Heat Shield for Extreme Entry Environment Technology (HEEET), a woven Thermal Protection System
 - Aeroentry Data Capture



Interactions with Incentivized Technology Providers



- For technologies being incentivized for this AO, NASA will support technical interactions between individual proposals teams and the technology developer.
- Key principles for such interactions are:
 - Equal opportunity for engagement to all proposers
 - Accurate information to all proposers
 - Acknowledgement of the potentially proprietary aspects of the interactions
- To facilitate these principles specific points of contact will be designated for each incentivized technology.



How today works...

- A slot on the agenda was provided to all technology providers who came forward.
 - Remember: participation in the workshop does not necessarily mean a technology is endorsed by NASA or will be incentivized by NASA.
- Workshop divided into two parallel tracks: oral and poster presentations.
 - All technologies will give brief presentations, starting with those under consideration by NASA for incentivization.
 - All technologies also offered opportunity to provide a poster with the understanding that this provides a greater opportunity for more in depth interaction between proposers and technology providers.
- Small meeting rooms are available for private, one-on-one discussions between proposers and technology providers. Please see me or sign up at the registration desk.