

From: Michael Kelly [mailto:mkelly@nanocerox.com]
Sent: Monday, August 29, 2011 1:32 PM
To: amtech
Cc: Tingle, Anneke Megan
Subject: Answer to Questions

Here are my answers.

1. Should AMTech consortia focus on developments within a single existing or prospective industry, or should its focus be on broader system developments that must be supplied by multiple industries?

- Single industry....The broad-based brush approach typically does not work

2. Who should be eligible to participate as a member of an AMTech consortium? For example, U.S. companies. i.e., large, medium, and/or small; institutions of higher education; Federal agencies; state, local, and tribal governments; and non-profit organizations?

- Small companies only....We are the ones hiring, executing, etc.....

- Medium and large companies will exploit the program....

- Higher education is all think, no execution....

3. Should AMTech place restrictions on or limit consortium membership?

- Small companies only

4. Who should be eligible to receive research funding from an AMTech consortium? For example, U.S. companies i.e., large, medium, and/or small; institutions of higher education; Federal agencies; state, local, and tribal governments; and non-profit organizations?

- Again, small companies will provide quicker response, turnaround, etc....

5. What criteria should be used in

evaluating proposals for AMTech funding?

- Experience with supplying technology via STTP and SBIR programs - Drive small business technology growth.....

6. What types of activities are suitable for consortia funding?

- Nanopowder production, testing, R&D

7. Should conditions be placed on research awards to ensure funded activities are directed toward assisting manufacturing in the U.S.?

- Directly relates to a product output....meaning, Nanopowders solve a specific manufacturing issue

8. What are ways to facilitate the involvement of small businesses in AMTech consortia?

- Center the program around small companies

9. What are best practices for facilitating the widest dissemination and adoption of knowledge and technology through consortia?

- NAM - National Association of Manufacturers / Chamber of Commerce / National Science Foundation

10. While it is expected that the research efforts of AMTech consortia (including participants from the Federal, academic, and private industry sectors) will take place largely at the pre-competitive stage in the development of technologies, the generation of intellectual property is possible, and even likely. What types of intellectual property arrangements would promote active engagement of industry in consortia that include the funding of university-based research and ensure that consortia efforts are realized by U.S. manufacturers?

- Intellectual property based on our patent system is not a good thing...the system is broken totally...and only supports large companies...
- We trade Secret everything...

11. Would planning grants provide sufficient incentive for industry to develop roadmaps and initiate the formation of consortia? If not, what other incentives should be considered?

- Not sure

12. Should each member of an AMTech consortium be required to provide cost sharing? If so, what percentage of cost sharing should be provided?

- Cost sharing is a good thing....Would initially favor grant....then cost sharing after proving concept

13. What criteria should be used in evaluating research proposals submitted to an AMTech consortium?

- Not sure

14. What management models are best suited for industry-led consortia?

- Not sure

15. Should the evaluation criteria include the assessment of leadership and managerial skills?

- Yes

16. Should limitations be placed on the duration of consortia?

- Yes

17. How should an AMTech consortium's performance and impact be evaluated? What are appropriate measures of success?

- Follow DARPA model for SBIR, STTP programs...

18. What are the problems of measuring real-time performance of individual research awards issued by an industry-led consortium? What are appropriate measures of success?

- Follow DARPA model for SBIR, STTP programs...

19. How should the NIST AMTech program be evaluated?

- Not sure

20. What are lessons learned from other successful and unsuccessful industry-led consortia?

- Follow DARPA model for SBIR, STTP programs...

21. How can AMTech do the most with available resources? Are there approaches that will best leverage the Federal investment?

- Follow DARPA model for SBIR, STTP programs...

22. How should AMTech interact with other Federal programs or agencies?

- Follow DARPA model for SBIR, STTP programs...

23. What role can AMTech play in developing, leading, or leveraging consortia involving other Federal agencies?

- Follow DARPA model for SBIR, STTP programs...

Michael Kelly (+)
CEO / President

Mobile: 248-515-9240

Web: <http://www.nanocerox.com>>

Email: mkelly@nanocerox.com

E-MAIL NOTICE – This email is strictly confidential. If you are not the intended recipient of this message, you may not disclose, print, copy or disseminate this information. If you have received this in error, please reply and notify the sender (only) and delete the message. Unauthorized interception of this e-mail is a violation of federal criminal law. This communication does not reflect an intention by the sender or the sender's client or principal to conduct a transaction or make any agreement by electronic means. Nothing contained in this message or in any attachment shall satisfy the requirements for a writing, and nothing

contained herein shall constitute a contract or electronic signature under the Electronic Signatures in Global and National Commerce Act, any version of the Uniform Electronic Transactions Act or any other statute governing electronic transactions. Please contact Nanocerox at 734-741-9522 if you have any questions.