

QUESTIONS AND ANSWERS

PLEASE REFER TO THE GENERAL FAQs SECTION OF ARPA-E'S WEBSITE (<http://arpa-e.energy.gov/?q=faq/general-questions>) FOR ANSWERS TO MANY GENERAL QUESTIONS ABOUT ARPA-E AND ARPA-E'S FUNDING OPPORTUNITY ANNOUNCEMENTS. ADDITIONAL QUESTIONS SPECIFIC TO THIS FOA ONLY ARE INCLUDED BELOW. PLEASE REVIEW ALL EXISTING GENERAL FAQs AND FOA-SPECIFIC QUESTIONS BEFORE SUBMITTING NEW QUESTIONS TO ARPA-E.

I. Full Application Phase Questions:

Q1. The following questions are regarding DE-FOA-0001953, Topic Q: CABLES.

Q1.1 Under Topic Q "CABLES", Table A "Comparison of the cabling FOA goals and proposed solution", does not explicitly include a standard for System Generated Electromagnetic Pulse (SGEMP) which strategic air and space systems will need to be hardened against. Are SGEMP considerations in scope for this call?

ANSWER: As set forth at FOA Appendix XVII, Section 2.B: "... ARPA-E seeks novel and transformative technical solutions that will address the development of reliable power cables, connectors, and circuit breakers in a twin-aisle, all-electric aircraft." Proposed technical solutions for use in a twin-aisle, all electric aircraft meeting or exceeding the pertinent Technical Performance Targets specified in Section 2.B are responsive to this Technical Topic. This does not preclude or prohibit technical solutions that may have applications in addition to use in a twin-aisle, all electric aircraft.

Q1,2 Since vacuum-jacket cabling options are being considered, is it in scope of this call to proposed medium voltage cabling solutions explicitly for space applications?

ANSWER: Refer to STINPA Topic Q FAQ 1.1.