

SUMMARY OF CHANGES

W911NF-17-S-0002 Amendment 03

Army Research Office Broad Agency Announcement for Fundamental Scientific Research

1. Section II.D.2.b.iii is revised to read as follows:

“Stage 3 - Interested applicants are required to submit proposals. All proposals submitted under the terms and conditions cited in this BAA will be reviewed regardless of the feedback on, or lack of submission of, a whitepaper. If applicants have not submitted whitepapers, proposals may still be submitted for funding consideration. Proposals must be submitted in order for the applicant to be considered for funding.

All proposals for Assistance Instruments must be submitted electronically through Grants.gov using Workspace. Proposals for Contracts may be submitted via either Grants.gov or email to: usarmy.rtp.aro.mbx.baa@mail.mil. See Section II.D.f of this BAA for information on the proposal submission process.

Requests for waiver of electronic submission requirements may be submitted via email to: usarmy.rtp.aro.mbx.baa@mail.mil or regular mail:

Army Research Office
ATTN: RDRL-RO (Proposal Processing)
P.O. Box 12211
RTP, NC 27709-2211

All required forms for proposals may be downloaded from the ARO web site at <http://www.arl.army.mil/www/default.cfm?page=29> under "For the Researcher" (Forms, ARO BAA Forms).”

2. The following is removed from Section II.D.2.e.ii:

“The fillable PDF forms may be saved to a working directory on a computer, opened, and filled-in using the latest compatible Adobe Reader software application found at the Grants.gov link: <http://www.grants.gov/web/grants/support/technical-support/software/adobe-reader-compatibility.html>.”

3. The introduction to Section II.D.2.f is revised to read:

“Proposals must be submitted by email (only when a contract is requested) or through Grants.gov. Proposals must be submitted through the applicant’s organizational office having

responsibility for Government business relations. All signatures must be that of an official authorized to commit the organization in business and financial affairs.

Proposal content requirements remain the same for both email and Grants.gov submission.”

4. The introduction to Section II.D.2.f.i and Section II.D.2.f.i (1) are revised to read:

“EMAIL SUBMISSION (only when a Contract is the requested form of agreement):

- (1) Proposals requesting a Contract may be emailed directly to usarmy.rtp.aro.mbx.baa@mail.mil. Do not email full proposals to the TPOC. All emailed proposals must adhere to the format requirements and contain the information outlined in Section II.D.2.e of this BAA.”

5. The introduction to Section II.D.2.f.ii is revised to read:

“GRANTS.GOV SUBMISSION (For all proposals requesting Assistance agreements. Proposals requesting a Contract may be submitted either via Grants.gov or email)”

6. Section II.D.2.f.ii (2) is revised to read as follows:

“Specific forms are required for submission of a proposal. The forms are contained in the Application Package available through the Grants.gov application process. To access these materials, go to <http://www.grants.gov>, select "Apply for Grants," and then select "Get Application Package." A Grant Application Package and Application Instructions are available through the Grants.gov Apply portal under CFDA Number 12.431/Funding Opportunity Number W911NF-17-S-0002. Select “Apply” and then “Apply Now Using Workspace.”

*NOTE: Effective 31 December 2017, the legacy PDF application package on Grants.gov will be retired and applicants must apply online at Grants.gov using the application Workspace. For access to complete instructions on how to apply for opportunities using Workspace refer to <https://www.grants.gov/web/grants/applicants/workspace-overview.html>.

The following documents are mandatory: (1) Application for Federal Assistance (R&R) (SF 424 (R&R)), and (2) Attachments form.”

7. Section II.H.2.e is revised to read as follows:

Additional travel may be requested for travel to Army laboratories and facilities to enhance agreement objectives and to achieve technology transfer.

(1) Participant Support Costs: This budget category refers to costs of transportation, per diem, stipends, and other related costs for participants or trainees (but not employees) in connection with ARO-sponsored conferences, meetings, symposia, training activities, apprenticeships and workshops (see the “Other Programs” section as described earlier in this BAA). Generally, indirect costs are not allowed on participant support costs. The number of participants to be supported should be entered in the parentheses on the budget form. These costs should also be justified in the budget justification page(s) attached to the cost proposal.

(2) Materials, Supplies, and Consumables: A general description and total estimated cost of expendable equipment and supplies are required. The basis for developing the cost estimate (vendor quotes, invoice prices, engineering estimate, purchase order history, etc.) must be included. If possible, provide a material list.

(3) Publication, Documentation, and Dissemination: The budget may request funds for the costs of preparing, publishing, or otherwise making available to others the findings and products of the work conducted under an agreement, including costs of reports, reprints, page charges, or other journal costs (except costs for prior or early publication); necessary illustrations, cleanup, documentation, storage, and indexing of data and databases; and development, documentation, and debugging of software.

(4) Consultant Costs: Applicants normally are expected to utilize the services of their own staff to the maximum extent possible in managing and performing the project's effort. If the need for consultant services is anticipated, the nature of proposed consultant services should be justified and included in the technical proposal narrative. The cost proposal should include the names of consultant(s), primary organizational affiliation, each individual's expertise, daily compensation rate, number of days of expected service, and estimated travel and per diem costs.

(5) Computer Services: The cost of computer services, including computer-based retrieval of scientific, technical, and educational information, may be requested. A justification/explanation based on the established computer service rates at the proposing organization should be included. The budget also may request costs, which must be shown to be reasonable, for leasing automatic data processing equipment. The purchase of computers or associated hardware and software should be requested as items of equipment.

(6) Subawards (Subcontracts or Subgrants): A precise description of services or materials that are to be awarded by a subaward must be provided. For subawards totaling \$10,000 or more, provide the following specific information:

- A clear description of the work to be performed;
- If known, the identification of the proposed subawardee and an explanation of why and how the subawardee was selected or will be selected;

8. Section II.A.3.f is revised to amend various sections of the High School Apprenticeship Program (HSAP)/Undergraduate Research Apprenticeship Program (URAP).

9. Section II.A.4.c.iii.(1) is revised to amend the Wireless and Hybrid Communications Network title to Communications and Networks program and update the Technical Point of Contact.

10. Section II.A.1.b.i.(2) is revised to read as follows and update the Technical Point of Contact:

The goal of the Solid Mechanics Program is to investigate and understand behavior of complex material systems a under broad range of loading regimes in various environments and to develop analytical and computational methods to characterize material models which can serve as physically-based tools for the quantitative prediction and control of Army relevant material systems subjected to extreme high loading and strain rate conditions such as impact and blast. The program seeks novel approaches to innovate unprecedented systems and structures with previously unattainable properties and behaviors. Research in analytical, computational and experimental solid mechanics is sought to form the foundation for understanding these systems as well as to validate developed physical models. Understanding of failure in soft and active material systems is also of interest to the program. Such work should lead to novel ideas and concepts for revolutionary capabilities.

The understanding of the mechanics of material behavior during transition into states of damage and fracture initiation due to extreme loading, high rate loading, high-temperature variations, and repetitive loading are of interest. The program seeks the development of models of material behavior across broad spatial and temporal scales that are based on these physical processes taking place at different scales and of establishing essential physical understanding of the relationships of the various processes taking place such that failure may be accurately predicted.

Novel experimental methods aimed to investigate and validate material models play on all scales are sought. Development of new experimental techniques is essential for solid mechanics development. In particular, the program seeks techniques to enhance the understanding of the physical processes taking place during deformation and failure in the interior of materials.

Computationally efficient methods capable of integrating the new physical relationships and models, and with the ability to predict the behavior of novel material systems in extreme conditions across a broad range of scales are sought.

11. Section II.D.2.e.xii is revised to add instructions for the addendum of STEM Data Reporting with form SF 424-Research and Related Senior/Key Personnel Profile (Expanded) form and Research and Related Personal Data form.

12. The wording “Basic and Applied Research” has been amended on title page and other areas within BAA and replaced to “Fundamental Research.”

(End Summary of Changes)