

SOLICITED NASA PROPOSAL APPLICATION

IN RESPONSE TO ANNOUNCEMENT CAN-HEDS-01-1

LEAVE BLANK

NUMBER

REVIEW GROUP

DATE RECEIVED

PLEASE FOLLOW INSTRUCTIONS CAREFULLY

1. COMPLETE TITLE OF PROJECT

2. PRINCIPAL INVESTIGATOR/PROGRAM DIRECTOR (First, middle, and last name; degrees; position)

3. COMPLETE MAILING ADDRESS

Internal Mail Code or Location
Office or Organization Division
Agency/Center, Company, or Institution
Street or P.O. Box
City, State Zip Code

4. TELEPHONE NUMBER
(area code, number, extension)

5. CONGRESSIONAL DISTRICT (U.S. ONLY)

FAX NUMBER
E-MAIL ADDRESS

6. SOCIAL SECURITY # (U.S. ONLY)

7. HAS THIS PROPOSAL (OR SIMILAR REQUEST) BEEN SUBMITTED TO ANY OTHER AGENCY?
 No Yes IF YES, SPECIFY AGENCY AND YEAR SUBMITTED:

8. WILL HUMAN SUBJECTS BE USED IN THE PROPOSED RESEARCH: No Yes

9. CO-INVESTIGATORS (First, middle, and last name; degrees)

10. CO-INVESTIGATOR'S ORGANIZATION

11. OTHER PARTICIPATING ORGANIZATIONS (e.g., NASA Field Centers):

12. DATES OF ENTIRE PROPOSED PROJECT PERIOD
From:
Through:

13. FY2001 BUDGET
Total Cost:
NASA
Contribution:

14. FY2002 BUDGET
Total Cost:
NASA
Contribution:

15. FY2003 BUDGET
Total Cost:
NASA
Contribution:

16. TOTAL BUDGET
Total Cost:
NASA
Contribution:

17. APPLICANT ORGANIZATION (Organization Name)

18. TYPE OF ORGANIZATION (U.S. ONLY)

For Profit (General) For Profit (Small Business) For Profit (Woman-owned Business) For Profit (Minority-owned Business) Non Profit
 College or University (General) College or University (Historically Black or other Minority) Public, Specify: Federal State Local

19. ORGANIZATION OFFICIAL TO BE NOTIFIED IF AN AWARD IS MADE (Name, title, address, and telephone number)

20. OFFICIAL SIGNING FOR APPLICANT ORGANIZATION (Name, title, and telephone number)

21. PRINCIPAL INVESTIGATOR/PROGRAM DIRECTOR ASSURANCE:

I agree to accept responsibility for the technical conduct of the project and to provide the required progress reports if a grant is awarded as a result of this application. Willful provision of false information is a criminal offense (U.S. Code, Title 18, Section 1001).

SIGNATURE OF PERSON NAMED IN 2
(In ink; "Per" signature not acceptable.)

DATE

22. CERTIFICATION AND ACCEPTANCE: By submitting the proposal identified in this Cover Sheet/Proposal Summary in response to CAN-HEDS-01-1, the Authorizing Official of the proposing institution (or the individual proposer if there is no proposing institution): 1) certifies that the statements made in this proposal are true and complete to the best of his/her knowledge; 2) agrees to accept the obligations to comply with the sponsoring agency award terms and conditions if an award is made as a result of this proposal; and 3) if the applicant organization is an entity of the United States of America, confirms compliance with all provisions, rules, and stipulations set forth in the three Certifications contained in this NRA [namely, i) Certification Regarding Debarment, Suspension, and Other Responsibility Matters Primary Cover Transactions, ii) Certification Regarding Lobbying, and iii) Certification of Compliance with the NASA Regulations Pursuant to Nondiscrimination in Federally Assisted Programs]. Willful provision of false information in this proposal and/or its supporting documents, or in reports required under an ensuing award, is a criminal offense (U.S. Code, Title 18, Section 1001).

SIGNATURE OF PERSON NAMED IN 20
(or person named in 2, if there is no proposing institution)
(In ink; "Per" signature not acceptable.)

DATE

PROPOSAL SUMMARY

Proposal Title: _____
Principal Investigator: _____
Co-Investigators: _____
Other Participating Organizations: _____

Summary

Prepare a brief description of the application stating the broad, long-term objectives and specific aims of the proposed work including specific milestones and deliverables. Describe concisely the research design and methods for achieving these objectives and aims. Include potential applications and benefits to the exploration and development of space. This summary is meant to serve as a succinct and accurate description of the proposed work when separated from this application. Limit summary to 400 words or fewer.

Research Emphasis:

Check the box next to the research emphasis that is most closely aligned with your proposal.

Proposal Category:

- 1. Systems Integration, Advanced Concepts, Analysis, Modeling, and Related Topics
2. Advanced Research and Technology Development
3. Technology Flight Demonstrations

Technical Theme(s):

- Systems Integration, Advanced Concepts, Analysis, Modeling, and Related Topics (Category 1 only)
Space Resources Development
Space Utilities and Power
Habitation and Bioastronautics
Space Assembly, Inspection, and Maintenance
Exploration and Expeditions
Space Transportation
Other

BUDGET SUMMARY *

From _____ To _____

| | FY 2001 | FY 2002 | FY 2003 | TOTAL |
|--|---------|---------|---------|-------|
| 1. Direct Labor (salaries, wages, fringe benefits) | _____ | _____ | _____ | _____ |
| 2. Total Direct Labor Hours | _____ | _____ | _____ | _____ |
| 3. Other Direct Costs: | | | | |
| a. Subcontractors | _____ | _____ | _____ | _____ |
| b. Consultants | _____ | _____ | _____ | _____ |
| c. Equipment | _____ | _____ | _____ | _____ |
| d. Supplies | _____ | _____ | _____ | _____ |
| e. Travel | _____ | _____ | _____ | _____ |
| f. Other | _____ | _____ | _____ | _____ |
| 4. Indirect Costs | _____ | _____ | _____ | _____ |
| 5. Other Applicable Costs | _____ | _____ | _____ | _____ |
| 6. Total Project Costs | _____ | _____ | _____ | _____ |
| 7. Less Proposed Cost Sharing (all non-NASA sources)** | _____ | _____ | _____ | _____ |
| 8. Total Costs to NASA | _____ | _____ | _____ | _____ |

***Notes:**

Enter dollar amounts except for Line 2 which requires number of hours.

Provide in attachments to the budget summary the detailed computations of estimates in each cost category, along with any narrative explanation required to fully explain proposed costs.

** Cost sharing of at least 50% is required of any commercial organization participating in a team or consortium as a recipient of the Cooperative Agreement only to the extent of its specific contribution to the overall project. This contribution should be entered on line 7 of Form C. This cost sharing contribution may be cash and or non-cash. Contributions from commercial proposers of less than 50% must be approved by the NASA Associate Administrator for Procurement (Code HS) prior to award. Cost sharing by Educational and other non-profit organizations is encouraged.

OTHER SUPPORT

This list should include all current research and development requiring a part or portion of the time of the proposed project lead and other senior personnel from all other sources. It must include the proposed project as well as all other research. The number of person-months must be stated regardless of the source of the support. Please provide this information in the following format. You may use up to 3 pages as necessary.

I. Name of Proposed Project Lead

A. Current Support

B. Pending Proposals (including renewal applications)

List separately for (A) and (B):

- (1) Source of Support
- (2) Project Title and Short Abstract
- (3) Award Amount
- (4) Period Covered by Award
- (5) Person-Months
- (6) Location where research is/will be performed.

II. Names of other Key Personnel

List (A) and (B) as shown above for other key personnel.

III. Other agencies to which the proposal, or parts thereof, has been submitted.

CHECKLIST FOR PROPOSERS

This checklist should be annotated to indicate that the stated items have been included in the proposal package.

Principal Investigator/Program Director:

- | | |
|---|--|
| <input type="checkbox"/> Form A: Cover Page* | <input type="checkbox"/> Scientific / Technical References |
| <input type="checkbox"/> Form B: Proposal Summary | <input type="checkbox"/> Management Approach (including outlined Articles of Collaboration and/or NASA Letter(s) of Commitment, if applicable) |
| <input type="checkbox"/> Form C: Budget Summary | <input type="checkbox"/> Personnel (Biographical Sketches) |
| <input type="checkbox"/> Supporting Budgetary Information | <input type="checkbox"/> Facilities and Equipment Description (including NASA Letter(s) of Commitment, if applicable) |
| <input type="checkbox"/> Form D: Other Support | <input type="checkbox"/> Letter of Assurance of Foreign Support (if applicable) |
| <input type="checkbox"/> Confidentiality Notice (if applicable) | <input type="checkbox"/> 20 copies of all material listed above |
| <input type="checkbox"/> Table of Contents | |
| <input type="checkbox"/> Project Description | |

* One signed original required

Only one copy of the following needs to be submitted:

- Form E: This checklist indicates all applicable items have been enclosed.

**CERTIFICATION REGARDING
DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS
PRIMARY COVERED TRANSACTIONS**

This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 14 CFR Part 1269.

A. The applicant certifies that it and its principals:

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- (b) Have not within a three-year period preceding this application been convicted or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or Local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State, or Local) with commission of any of the offenses enumerated in paragraph A.(b) of this certification; and
- (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State, or Local) terminated for cause or default; and

B. Where the applicant is unable to certify to any of the statements in this certification, he or she shall attach an explanation to this application.

C. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lowered Tier Covered Transactions (Subgrants or Subcontracts)

- (a) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principles is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department of agency.
- (b) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

This page has been included for your information. Do not submit this page with your application. Item 22 of Form A satisfies the requirement of compliance with the provisions, rules, and stipulations described on this page.

**CERTIFICATION REGARDING
LOBBYING**

As required by S 1352 Title 31 of the U.S. Code for persons entering into a grant or cooperative agreement over \$100,000, the applicant certifies that:

- (a) No Federal appropriated funds have been paid or will be paid by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, in connection with making of any Federal grant, the entering into of any cooperative, and the extension, continuation, renewal, amendment, or modification of any Federal grant or cooperative agreement;
- (b) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting an officer or employee of any agency, Member of Congress, an or an employee of a Member of Congress in connection with this Federal grant or cooperative agreement, the undersigned shall complete Standard Form - LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (c) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subgrants, contracts under grants and cooperative agreements, and subcontracts), and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by S1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

This page has been included for your information. Do not submit this page with your application. Item 22 of Form A satisfies the requirement of compliance with the provisions, rules, and stipulations described on this page.

**CERTIFICATION OF COMPLIANCE WITH THE NASA REGULATIONS PURSUANT TO
NONDISCRIMINATION IN FEDERALLY ASSISTED PROGRAMS**

The (Institution, corporation, firm, or other organization on whose behalf this assurance is signed, hereinafter called "Applicant") hereby agrees that it will comply with Title VI of the Civil Rights Act of 1964 (P.L. 88-352), Title IX of the Education Amendments of 1962 (20 U.S. 1680 et seq.), Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S. 794), and the Age Discrimination Act of 1975 (42 U.S. 16101 et seq.), and all requirements imposed by or pursuant to the Regulation of the National Aeronautics and Space Administration (14 CFR Part 1250) (hereinafter called "NASA") issued pursuant to these laws, to the end that in accordance with these laws and regulations, no person in the United States shall, on the basis of race, color, national origin, sex, handicapped condition, or age be excluded from participating in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which the Applicant receives federal financial assistance from NASA; and hereby give assurance that it will immediately take any measure necessary to effectuate this agreement.

If any real property or structure thereon is provided or improved with the aid of federal financial assistance extended to the Applicant by NASA, this assurance shall obligate the Applicant, or in the case of any transfer of such property, any transferee, for the period during which the real property or structure is used for a purpose for which the federal financial assistance is extended or for another purpose involving the provision of similar services or benefits. If any personal property is so provided, this assurance shall obligate the Applicant for the period during which the federal financial assistance is extended to it by NASA.

This assurance is given in consideration of and for the purpose of obtaining any and all federal grants, loans, contracts, property, discounts, or other federal financial assistance extended after the date hereof to the Applicant by NASA, including installment payments after such date on account of applications for federal financial assistance which were approved before such date. The Applicant recognized and agrees that such federal financial assistance will be extended in reliance on the representations and agreements made in this assurance, and the United States shall have the right to seek judicial enforcement of this assurance. His assurance is binding on the Applicant, its successors, transferees, and assignees, and the person or persons whose signatures appear below are authorized to sign on behalf of the Applicant.

This page has been included for your information. Do not submit this page with your application. Item 22 of Form A satisfies the requirement of compliance with the provisions, rules, and stipulations described on this page.