

communities. In addition, such technologies must provide the capability to establish packet-switched, circuit-switched, or hybrid optical paths dynamically from a pool of wavelengths.

- Ultra high-speed cyber security systems—scalable cyber security systems, such as firewalls, intrusion detection systems, authentication/authorizations systems, and related services that operate efficiently at ultra high-speed.

- Ultra high-speed network measurement and analysis—efficient tools and techniques for diagnosing, end-to-end performance prediction of ultra high-speed network.

Applicants are encouraged to refer to the final report of the DOE Science Networking Challenge: Roadmap to 2008 found at: <http://www.osti.gov/scidac/projects.html> for additional information on SC networking requirements.

Collaboration

Applicants are encouraged to collaborate with researchers in other institutions, such as: universities, industry, non-profit organizations, federal laboratories and Federally Funded Research and Development Centers (FFRDCs), including the DOE National Laboratories, where appropriate, and to include cost sharing wherever feasible. Additional information on collaboration is available in the Application Guide for the Office of Science Financial Assistance Program that is available via the Internet at: <http://www.sc.doe.gov/production/grants/Colab.html>.

Program Funding

It is anticipated that up to \$5 million will be available for SciDAC and MICS Programs; up to six to ten awards are anticipated, contingent on availability of appropriated funds in Fiscal Year 2004 and the size of the awards. Multiple year funding is expected, also contingent on availability of funds and progress of the research.

Awards are expected to be at most \$1.2 million per year for experimental ultra high-speed network research projects. Awards for integrated experimental ultra high-speed networks research projects are expected to be at most \$1.2 million per year. Since integrated experimental networking projects are expected to be multi-institution and multi-disciplinary projects, awards under this notice would range from \$150,000 to \$500,000 for participation in an experimental networks project per participating project. Awards for ultra high-speed

networking engineering will range from \$150,000 to \$300,000 per year for each single investigator. The funding period for all projects will range from two to three years subject to availability of funds. Grant applications funded under these programs will be handled as cooperative agreements.

Merit Review

Applications will be subjected to scientific merit review (peer review) and will be evaluated against the following evaluation criteria, which are listed in descending order of importance codified at 10 CFR 605.10(d):

- (1) Scientific and/or Technical Merit of the Project,

- (2) Appropriateness of the Proposed Method or Approach,

- (3) Competency of Applicant's Personnel and Adequacy of Proposed Resources,

- (4) Reasonableness and Appropriateness of the Proposed Budget.

The evaluation under item 1, Scientific and/or Technical Merit of the Project, will also consider the following elements:

- (a) The potential of the proposed project to make a significant impact to distributed Petabytes-scale distributed data archives and other high-end science applications.

- (b) The extent to which the results of the project are extensible operational production high-performance networks, such as ESnet.

- (c) The degree ultra high-speed networking technologies can inter-operate with existing networking technologies.

The evaluation under item 2, Appropriateness of the Proposed Method or Approach, will also consider the following elements:

- (a) The degree to which the project adheres to the management philosophy of incorporating science applications into the project execution.

- (b) The quality of the plan for ensuring interoperability and integration with related network environment software produced by other MICS and SciDAC efforts.

- (c) The extent to which the project incorporates broad community (industry/academia/other federal programs) interaction.

- (d) Quality and clarity of proposed work schedule and deliverables.

- (e) Use of recent advances in optical network technologies, such as GMPLS to support distributed high-end applications.

The evaluation will include program policy factors, such as the relevance of the proposed research to the terms of

the announcement and the agency's programmatic needs. Note: External peer reviewers are selected with regard to both their scientific expertise and the absence of conflict-of-interest issues. Non-federal reviewers will often be used, and submission of an application constitutes agreement that this is acceptable to the investigator(s) and the submitting institution.

Submission Information

The Project Description must be 20 pages or less, exclusive of attachments. It must contain an abstract or project summary on a separate page with the name of the applicant, mailing address, phone, FAX and email listed. The application must include letters of intent from collaborators (briefly describing the intended contribution of each to the research), and short curriculum vitae for the applicant and any co-PIs.

Applicants must disclose all information on their current and pending grants. To provide a consistent format for the submission, review and solicitation of grant applications submitted under this notice, the preparation and submission of grant applications must follow the guidelines given in the Application Guide for the Office of Science Financial Assistance Program, 10 CFR Part 605. Access to SC's Financial Assistance Application Guide is possible via the World Wide Web at: <http://www.science.doe.gov/production/grants/grants.html>. DOE is under no obligation to pay for any costs associated with the preparation or submission of applications if an award is not made.

The Catalog of Federal Domestic Assistance number for this program is 81.049, and the solicitation control number is ERFAP 10 CFR Part 605.

Issued in Washington, DC on November 3, 2003.

John Rodney Clark,

Associate Director of Science for Resource Management.

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DEPARTMENT OF ENERGY

International Energy Agency Meeting

Notice of Meeting

AGENCY: Department of Energy.

ACTION: Notice of meeting.

SUMMARY: The Industry Advisory Board to the International Energy Agency (IEA) will meet on November 19, 2003, at the headquarters of the IEA in Paris, France in connection with a meeting of the