

DEPARTMENT OF ENERGY  
CHARTER  
FUSION ENERGY SCIENCES ADVISORY COMMITTEE

1. Committee's Official Designation:

Fusion Energy Sciences Advisory Committee

2. Committee's Objectives and Scope of Activities and Duties:

The Fusion Energy Sciences Advisory Committee provides advice and guidance on the Fusion Energy Sciences Program in response to charges from the Secretary or Under Secretary for Science - except as noted below. The Committee will be charged to provide:

- a. Periodic assessments of the issues related to the various elements of the program and recommendations for changes considered desirable on the basis of scientific and technological advances or other factors;
- b. Advice on the merits of competing technical options, long-range plans, priorities, and strategies related to the scientific and engineering issues of fusion;
- c. Advice on allocation and levels of funding appropriate to implement those strategies and help maintain appropriate balance among the program elements; and
- d. Advice and guidance on any issues relating to the fusion energy sciences program as requested by the Secretary or Under Secretary for Science.

When issues or the need for guidance related to the High Energy Density Laboratory Plasmas element of the program arise, the Committee will respond to charges signed jointly by the Under Secretary for Science and the Under Secretary for the National Nuclear Security Administration. The preparation of these charges and the Committee's responses to them will be governed by the Memorandum of Understanding between the United States Department of Energy, Office of Science, and the National Nuclear Security Administration Concerning Advisory Functions on the Joint Program in High Energy Density Laboratory Plasmas. This Memorandum is attached and is an integral part of this charter.

3. Time Period Necessary for the Committee to Carry Out Its Purpose:

In view of the goals and purposes of the Committee, it is expected to be continuing in nature.

4. Official To Whom This Committee Reports:

The Committee will report to the Under Secretary for Science, except when it is dealing with issues related to High Energy Density Laboratory Plasmas in which case the Committee will report to both the Under Secretary for Science and the Under Secretary for the National Nuclear Security Administration.

5. Agency Responsible for Providing Necessary Support for This Committee:

The Department of Energy. Within the Department, primary support shall be furnished by the Under Secretary for Science through the Office of Fusion Energy Sciences.

6. Description of Duties for Which the Committee is Responsible:

The duties of the Committee are solely advisory and are stated in Paragraph 2, above.

7. Estimated Annual Operating Costs in Dollars and Person-Years:

\$210,000; one-half person-year.

8. Estimated Number and Frequency of Meetings:

The Committee will meet 2-4 times a year, as needed to complete the charges given to it.

9. Committee's Termination Date (If less than two years from date of establishment or renewal):

Not applicable.

10. Subcommittee(s):

To facilitate the functioning of the Fusion Energy Sciences Advisory Committee, subcommittees may be formed. The objectives of the subcommittees are to gather data, conduct analyses, and develop draft recommendations for consideration by the full Committee meeting in public session unless closed sessions are approved as required by the Department's regulations dealing with Advisory Committees. A subcommittee may consult with experts who are not members of the Committee.

11. Members:

- a. Committee members shall be appointed by the Under Secretary for Science for a term of two years with a view towards balance on the Committee of the various elements of fusion energy sciences.
- b. Approximate number of Committee members: up to about 20
- c. Members shall be experts in their respective fields and appointed as special Government employees, or representatives of entities including among others, research facilities and academic institutions, should the Committee's task require such representation.

12. Chair:

The Chair shall be appointed by the Under Secretary for Science.

This Amended Charter for the Advisory Committee named above is hereby approved on:

11/06/2008  
Date

Signed  
Eric G. Nicoll  
Committee Management Officer

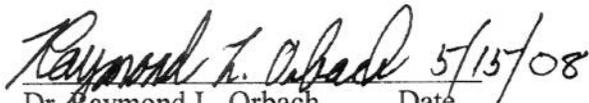
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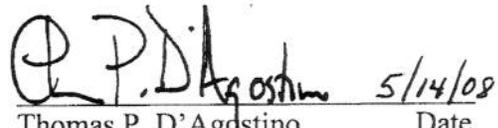
**Memorandum of Understanding**  
**between**  
**the United States Department of Energy, Office of Science, and**  
**the National Nuclear Security Administration**  
**Concerning Advisory Functions on**  
**the Joint Program in High Energy Density Laboratory Plasmas (HEDLP)**

The United States Department of Energy, Office of Science (SC), and the National Nuclear Security Administration (NNSA), herein referred to as the Parties, desiring to pursue a Joint Program in High Energy Density Laboratory Plasmas (HEDLP), agree to make provisions for seeking advice from an existing Federal advisory committee. The Parties agree as follows:

- 1) The Parties will seek from the Fusion Energy Sciences Advisory Committee (FESAC) advice, guidance, and recommendations to the Department in response to charges prepared jointly by SC and NNSA and signed by the Under Secretary for Science and the Under Secretary for Nuclear Security, on the Joint Program in high energy density laboratory plasmas, including:
  - a. Periodic assessments of the HEDLP Program issues and recommendations of any changes considered desirable on the basis of scientific and technological advances or other factors;
  - b. Advice on the merits of competing areas of high energy density laboratory plasmas;
  - c. Advice on allocation and levels of funding appropriate to implement the HEDLP Program and to help maintain appropriate balance among the elements of the Program; and
  - d. Advice and guidance on any issues relating to the HEDLP Program as requested by the Secretary of Energy, or the Under Secretary for Science and the Under Secretary for Nuclear Security.
- 2) Upon the receipt of a charge dealing with any aspect of the HEDLP Program, the Office of Science will ensure that FESAC will establish, following its regular practice, an ad hoc subcommittee with membership that reflects the appropriate expertise in high energy density laboratory plasmas needed to respond to that charge.
- 3) The Parties will ensure that:
  - a. The FESAC Chair, the Associate Director for Fusion Energy Sciences, and the Assistant Administrator for Inertial Confinement Fusion will work together to select a subcommittee chair and members;
  - b. The subcommittee will report any findings, advice, or guidance to FESAC as a whole; and,

- c. FESAC, following a public meeting, will report to the signers of the charge.
- 4) This agreement can be modified in writing by agreement of the Parties, or terminated by either Party with reasonable notice, in writing, to the other Party.
  - 5) This Agreement is neither a fiscal nor a funds obligation document. Nothing in this Agreement authorizes or is intended to obligate the Parties to expend, exchange, or reimburse funds, services, or supplies, or transfer or receive anything of value.
  - 6) This Agreement in no way restricts either of the Parties from participating in any activity with other public or private agencies, organizations or individuals.
  - 7) This Agreement is strictly for internal management purposes for each of the Parties. It is not legally enforceable and shall not be construed to create any legal obligation on the part of either Party. This Agreement shall not be construed to provide a private right or cause of action for or by any person or entity.
  - 8) All agreements herein are subject to, and will be carried out in compliance with, all applicable laws, regulations, and other legal requirements.

  
Dr. Raymond L. Orbach      Date 5/13/08  
Under Secretary for Science  
U.S. Department of Energy

  
Thomas P. D'Agostino      Date 5/14/08  
Under Secretary for Nuclear Security  
U.S. Department of Energy