

Report of NSTX Program Advisory Committee (PAC-18)

July 26, 2005

Committee Members Present:

James W. Van Dam (University of Texas)—chair
Cary B. Forest (University of Wisconsin)
Charles M. Greenfield (General Atomics)
Donald L. Hillis (Oak Ridge National Laboratory)
Thomas R. Jarboe (University of Washington)
Brian Lloyd (UKAEA Culham)
T. K. Mau (University of California, San Diego)
Michael E. Mauel (Columbia University)
William M. Nevins (Lawrence Livermore National Laboratory)
Paul W. Terry (University of Wisconsin)
Michael A. Ulrickson (Sandia National Laboratory)
Michael C. Zarnstorff (Princeton Plasma Physics Laboratory)

Ex-officio:

Martin Peng (Oak Ridge National Laboratory)
Masayuki Ono (Princeton Plasma Physics Laboratory)
Steve Eckstrand (DOE)

Committee Members Absent:

Martin Greenwald (MIT)
Mitsuru Kikuchi (Japan Atomic Energy Research Institute)

Other Participants:

David Johnson (PPL)
Robert Kaita (PPPL)
Carl Scimeca (PPPL)
Edmund Synakowski (PPPL)

1. Introduction

The NSTX Program Advisory Committee (PAC) held its 18th meeting by telephone conference call on July 26, 2005, starting at 10:00 a.m. EDT.

The sole purpose of this meeting was to respond to the charge to review and recommend adjustments to the NSTX Program Letter concerning prospective diagnostic collaboration proposals.

2. Diagnostics Program Letter

In general, the PAC thought that the Diagnostics Program Letter is a well-written, informative, and comprehensive document that should be useful for persons who might plan to submit proposals.

In particular, the PAC discussed and agreed upon several detailed modifications. A list of these modifications was constructed. Based on these modifications, a revised version of the Program Letter draft was recommended to the NSTX management.

The teleconference was adjourned at 12:05 p.m. EDT.

APPENDIX A — PAC-18 Charge

**National Spherical Torus Experiment
Program Advisory Committee
18th Meeting (Conference Call)**

**Princeton Plasma Physics Laboratory
Conference Room LSB-318
July 26, 2005**

CHARGE

DOE is preparing an Office of Science Notice to solicit grant proposals to carry out diagnostic collaboration on NSTX during FY 2006-2008. The Notice plans to make reference to an NSTX Program Letter, which is to describe the priorities, timeliness, and complementarity of new or enhanced measurements needed to support the NSTX research goals during this time. A draft NSTX Program Letter will be submitted to the NSTX PAC 5 days in advance of a conference call meeting of the PAC. I solicit advice from the NSTX PAC on the following questions:

Are the priorities of the recommended new and enhanced measurements described in the Program Letter appropriate in maximizing the collaborative diagnostic research in support of the NSTX research goals during FY 2006-2008? Does the Program Letter provide clear and useful information in support of the prospective diagnostic collaboration proposals?

APPENDIX B — PAC-18 Agenda

National Spherical Torus Experiment Program Advisory Committee 18th Meeting (Conference Call)

Princeton Plasma Physics Laboratory
Display Wall Room
10am – 1pm, July 26, 2005

AGENDA

10:00	Rob Goldston	Welcome and Charge to the PAC
10:05	Steve Eckstrand	Office of Science Notice DE-FG01-05ER05-20
10:15	Jim Van Dam	Agenda and Plan of Meeting
10:20	Martin Peng	NSTX Program Letter on Diagnostic Collaboration for FY06-08
11:20	PAC Caucus	
12:40	Jim Van Dam	Debriefing
1:00	Adjourn	