

# Report of NSTX Program Advisory Committee (PAC-20)

July 18, 2006

## Committee Members Present:

James W. Van Dam (University of Texas)—chair  
Cary B. Forest (University of Wisconsin)  
Charles M. Greenfield (General Atomics)  
Martin Greenwald (MIT)  
Donald L. Hillis (Oak Ridge National Laboratory)  
Thomas R. Jarboe (University of Washington)  
Michael E. Mauel (Columbia University)  
William M. Nevins (Lawrence Livermore National Laboratory)  
Paul W. Terry (University of Wisconsin)  
Michael A. Ulrickson (Sandia National Laboratory)

## Ex-officio:

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

## Committee Members Absent:

Mitsuru Kikuchi (Japan Atomic Energy Agency)  
Brian Lloyd (UKAEA Culham)  
T. K. Mau (University of California, San Diego)  
Michael C. Zarnstorff (Princeton Plasma Physics Laboratory)

## Other Participants:

Rich Hawryluk (PPPL)

## 1. Introduction

The NSTX Program Advisory Committee (PAC) held its 20th meeting by telephone conference call on July 18, 2005, starting at 1:30 p.m. EDT (see Appendix A).

The sole purpose of this meeting was to respond to the charge to review and recommend adjustments to the 2006 NSTX Program Letter concerning prospective collaboration proposals from national laboratories (see Appendix B).

## 2. National Laboratory Collaboration Program Letter

In general, the PAC thought that the 2006 Program Letter for national laboratory collaborations on NSTX is a well-written and informative 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 spreadsheet 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 2:55 p.m. EDT.

Minutes submitted by J. Van Dam

## APPENDIX A — PAC-20 Agenda

**National Spherical Torus Experiment  
Program Advisory Committee  
20th Meeting (Conference Call)**

**Princeton Plasma Physics Laboratory  
Conference Room LSB-318  
July 18, 2006**

### AGENDA

**Tuesday, July 18, 2006**

1:30	Rob Goldston	Welcome and Charge
1:35	Steve Eckstrand	DOE Comments
1:40	Jim Van Dam	Agenda and Plan of Meeting
1:45	Martin Peng	NSTX Program Goals and Program Letter for FY 2007-2009
2:45	PAC Caucus	
3:45	Jim Van Dam	Briefing
4:15	Adjourn	

## **APPENDIX B — PAC-20 Charge**

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### **CHARGE**

DOE is preparing an Office of Science Notice to solicit proposals for collaborative research on NSTX from national laboratories during FY 2007-2009. The Notice plans to make reference to an NSTX Program Letter, which is to describe the research priorities in support of the NSTX mission during this time and the key collaboration opportunities for consideration by prospective proposers. A draft of this Letter will be submitted to the NSTX PAC 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 research and the key collaboration opportunities described in the Program Letter appropriate in maximizing the collaborative research by national laboratories in support of the NSTX research goals during FY 2007-2009? Does the Program Letter provide clear and useful information in support of the prospective collaboration proposals?