

## Minutes of the NCSX-DOE IPT Meeting on March 26, 2002

On the teleconference: Warren Marton (DOE-OFES), Chuck Finfgeld (DOE-OFES), Greg Pitonak (DOE-PG), Esther Ku (DOE-OFES), Jim Carney (DOE-CMSD), Jeff Hoy (DOE-BES), Jim Lyon (ORNL), Rich Hawryluk (PPPL), John Schmidt (PPPL), Hutch Neilson (PPPL), and Bob Simmons (PPPL).

### Topics of Discussion:

(1) Integrated Project Team (IPT) - Greg discussed the role of the Integrated Project Team (IPT) and its importance in managing DOE projects like NCSX.. We (PPPL, ORNL, DOE-PAO, and DOE-OFES) have been meeting with some regularity since mid-2000 and this group will now be known as the IPT. Greg has issued a proposed make-up of the team that may change as the project evolves. It includes key people from OFES, PAO, and key Project Team members from both PPPL and ORNL.

(2) Risk Analyses/Risk Decisions - Greg indicated that one of the key roles of the IPT was to concur in project recommendations on critical acquisition strategies that would mitigate risk. An example of this is the recent process we went through in obtaining several manufacturing study inputs to assist the Project in arriving at a more firm basis of proceeding. (3) Project Update - Hutch reported that the recent manufacturing studies and follow-up discussions with these vendors were very valuable in developing the acquisition strategy for both the vacuum vessel and modular coils. At the current time the strategy is to competitively bid the vacuum vessel, but to split the modular coils. The modular coil structure will be obtained from industry, but the actual winding of the coils will occur at PPPL. PPPL has the in-house expertise and resources to accomplish this task. The conductor is very flexible and should prove fairly straight forward to wind. This will save significantly in indirect costs and oversight. Vacuum-pressure impregnation will require development, which could involve experts and processes from industry. ACTION: NCSX will follow-up on recent VPI experience for the ITER CS model coil - Warren suggested that NCSX call Joe Minervini at MIT to get his experience with the ITER model coil - PPPL engineers assisted in this work. However, industry doesn't have any special expertise in this area since current stellarator coils are significantly different in the conductor makeup. Hutch also reported that the Project is finalizing the definition of the scope of the fabrication project. Greg remarked that this was very important to have this finalized by the CDR as well as laying out the upgrade hardware not included in the project scope.

(4) CDR - Jim Carney had several points on the proposed agenda and makeup of the review committee as well as the subcommittee assignments. Hutch indicated that the Project intended to send out the CDR documentation on or before May 7th, two weeks before the meeting. (Note: the revised committee assignments and updated directory were sent to Jim later in the day). (5) Acquisition Execution Plan (AEP) - a discussion of the content of the AEP was led by Greg. He has forwarded this document as well as the PEP and PES/SOW on to OFES. Greg took the action to review the AEP in light of the experience/suggestions provided to him at the recent OECM workshop.

The next meeting will be Tuesday, April 9th at 11:00 am.

If you have comments or corrections, please contact me.

Summary by:  
Bob Simmons