

Minutes of the IPT Meeting of July 22, 2003:

Attendees:

G. Pitonak - DOE-PAO

G. Nardella, C. Finfgeld, J. Auchmoody - HQ

R. Hawryluk, H. Neilson, R. Strykowski, W. Reiersen - PPPL

J. Lyon - ORNL

1. DOE update - Greg and Gene

SC81 (Lehman) has agreed that he will perform his cost and schedule review in conjunction with the EIR and suggests the week of 11/17/03 as a target date. Also suggests that PPPL run PDR in October be led by an outside chair and have an outside bias as far as review team members. DOE (PAO & OFES) will suggest some reviewers from outside the fusion program. PPPL will also develop a list of potential reviewers and Lehman will be consulted prior to contacting prospective participants. Also, Gene reported that OMB300 updates will likely be required in August this year.

2. Project Status Update - Hutch & Wayne

PDR now firmly scheduled for October 7-8-9, 2003. New E04 coil design (variant of M50) now fully adopted and should simplify design and fab issues while maintaining physics performance integrity. Coil vendors are working on improvements and seem to have CAD capability to help solve remaining issues. Still some clearance issues impacting clamping in areas where coil to vessel clearance is small. Thermal stress issues also being investigated. Winding R&D underway at PPPL. Investigating 2 options. Three in hand option introduces field errors, while 1 in hand seems to produce greater keystoneing. Need to perform additional prototype tests to quantify and select the best option. Finding that winding pack can be manually worked and packed to achieve desired cross section and maintain tolerances.

3. Re-baselining - Ron

The project has established an interim baseline to carry thru the PDR & the end of fiscal year. Statusing against this baseline has begun. Some further development is needed particularly from vendors to prepare the final baseline to be established for the project. This will be used during the PDR and EIR. PPPL will provide an updated TEC & schedule to DOE by mid-September. The baseline will be officially adopted as the performance baseline with CD2 approval. PARS EVMS performance reporting will begin at CD2. Prior to that, our reports to HQ will be more qualitative and only report informal status. First report will be July 28, 2003 at 10:30AM.

4. Planning for PDR - Hutch & Ron

Hutch prepared and distributed a draft charge, draft agenda, and a comprehensive list of requirements for the PDR, which was reviewed and accepted by the IPT. DOE will plan to notify OECM in writing around early Sept of plans for EIR during the week of November 17, 2003 and project team will establish a website of documentation for these reviews.

5. Long term management plans for NCSX - Greg

Based on recent reviews of other DOE projects, the issue of long term experimental facility management has been highlighted. This was discussed as a possible area of interest at the upcoming PDR/EIR and PPPL is encouraged to develop an appropriate position of how NCSX will transition from project to operating experiment and who will manage this effort.

6. Various HQ reports and milestones for FY04 - Gene

Based on recent experience with the Joule report, the IPT discussed appropriate milestones for the FY04 Joule report. It was agreed that the 4thQtr milestone should be Completion of Final Design and begin fabrication. Achievable high level interim milestones which support this effort should be recommended for 1-2-3Qtrs. PPPL will propose these milestones by the end of this week.

7. The next IPT meeting will be Tues August 12, 2003 at 11:00 am, as it looks like this is OK for most of us. Personnel at PPPL will meet in the DOE conference room.

Call-in number will be provided.

Thanks for your participation,
Greg