

Minutes of the IPT Meeting of Aug 12, 2003:

Attendees:

G. Pitonak - DOE-PAO
C. Finfgeld, - HQ
R. Hawryluk, H. Neilson, R. Strykowski, W. Reiersen - PPPL
J. Lyon - ORNL

1. DOE update - Greg and Chuck

All agree that Joule milestones must be closely monitored and that progress reports must be timely and accurate. We need to understand what input is required and be able to participate in the process.

Greg will contact OECM and make sure we are scheduled for the EIR during the week of 11/17/03 as planned.

2. Project Status Update - Hutch & Wayne PDR now firmly scheduled for October 7-8-9, 2003. Vacuum vessel shell geometry is now set and welded joint option selected. Better for assemble clearances but possible concern over weld distortion must be mitigated via R&D. 20 degree segment prototype fab will commence soon. Four-in-hand coil winding option has been selected. Should result in better performance and less keystoneing. Winding form geometry details still need to be developed and is delaying prototype fab. Approx 2 month delay to date. Racetrack test coil has been wound and clamps and cooling are now underway. Testing will be conducted at ORNL.

Project is investigating a scheme to perform first plasma and field mapping with coils at room temp instead of under cryo conditions. This option will provide better access to the machine for monitoring and adjustments during initial operations. It will be further developed and, if adopted, will be included in the PEP as part of the project completion evolution.

The project is also continuing to develop technical "trade space" both in terms of operating capability and marginal scope items. It is understood that full scope at \$73.5M TEC is the desired end product. However, all acknowledge that it is prudent to identify options at this time and include these possibilities in the PEP for "buy in" by both the project team and OFES management.

3. Re-baselining - Ron

Project has conducted its monthly statusing with work package managers and will provide July CPR by next week. Generally, progress is going well towards the upcoming PDR milestone. The 2 month slip in Winding Form prototypes will impact final design planning, but info needed for the upcoming PDR has already been provided by vendors.

4. Planning for PDR - Hutch & Ron

Hutch prepared and distributed a draft charge, draft agenda, and a comprehensive list of requirements for the PDR. A review committee of largely outside consultants has been contacted. It includes a number of participants from outside the fusion community. Final arrangements are being made with the committee.

5. The next IPT meeting will be Tues September 2, 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