

Minutes of the NCSX-DOE IPT Meeting on April 23, 2002

On the teleconference: Warren Marton (DOE-OFES), Chuck Finfgeld (DOE-OFES), Greg Pitonak (DOE-PG), Gene Nardella (DOE-OFES), Jim Lyon (ORNL), John Schmidt (PPPL), Hutch Neilson (PPPL), and Bob Simmons (PPPL).

Topics of Discussion:

(1) NCSX Project Scope (Hutch Neilson) - Hutch revisited the NBI scope that was planned to be completed after first plasma. At the last meeting, there was a concern that this would extend completion of the project perhaps as much as a year or more. Upon review, it has been confirmed that all the installation of the two beams, including mechanical and electrical hookups and subsystem testing will have been completed by first plasma. The only things remaining to be done after first plasma are the programming of the computer controls and integrated systems testing of the beam. These should be able to be completed within 6 months of first plasma. However, Hutch proposed that the project scope will be changed to only include mechanical and electrical installation and subsystem testing to be completed by first plasma and that the programming and integrated testing would be done under operations. The IPT concurred. The exact definition of what will constitute acceptance testing for the NBIs under the MIE Project is still under discussion.

(2) Project Status and Preparations for the CDR (Hutch Neilson) - Hutch reported that preparations for the CDR are proceeding according to plan and that the CDR documentation should be able to be shipped out (at least electronically) by May 7th. The engineering analyses and physics simulations are coming together and so far no show stoppers have been identified. Stable startup scenario paths from vacuum to high beta with the new coils have been calculated. Additionally, flexibility studies have been updated and look good. The research program is being fleshed out and integrated with the diagnostic implementation plans. It is hoped that more detail on cost estimates will be available later in the week. Hutch also confirmed that risk will be addressed in the CDR documentation and at the CDR.

(3) DOE Preparations for the CDR (Warren Marton and Gene Nardella) - Jim Carney was on travel, but Warren and Gene indicated that the Reviewer Invitation letter had been sent out on April 11th. Greg agreed to provide a copy to the Project. It is important for the Project to be aware of reviewer contacts with team members to avoid conflicts in preparing for the CDR.

(4) AEP Status (Greg Pitonak and Bob Simmons) - Greg reported that he had contacted Donna Forbes of DOE-OECM to discuss the process for reviewing and approving the AEP. She is planning on attending at least one day of the CDR. She also indicated that steps are underway to perhaps delegate approval of non-MSA Project (i.e., <\$400M in value) to the head of OECM. However, this has not yet filtered through the DOE system.

Bob indicated that he had basically resolved all the DOE and OFES comments with the exception of the need to revisit the mission (perhaps a more succinct statement => ACTION: Hutch) and the DOE milestones. Additionally, the inclusion of detailed cost data on the web was discussed and the conclusion was that this detail would either be password protected or only included in the hardcopy documentation available at the CDR. Summary cost information will be included as part of the electronic CDR documentation. The issue of what budget information will be made available to potential suppliers was discussed briefly and tabled. It will be taken up at a future date.

The next meeting will be Tuesday, May 7th at 11:00 am.

If you have comments or corrections, please contact me.

Summary by:
Bob Simmons