

NCSX-DOE Teleconference of Dec. 18, 2001

Attendees were: Pitonak, Marton, Lyon, Schmidt, Neilson

1. NCSX Project status (Neilson)

-Coil design: physics and engineering are converging. Have settled on a shell geometry that is the same one adopted in November for the manufacturing studies. Coil spacing and bend radii meet engineering criteria. Have settled on a PFC boundary and PF coil set. Still in progress: finalizing the exact winding trajectory on the selected surface, which involves the "healing" step to tune out islands. -PAC report: final report was received from the PAC chair and distributed over the weekend. It is consistent with the debrief at the close of the meeting, no surprises. Highlights of the recommendations: project was urged to converge on a coil design, which we are doing. A CDR presentation of the experimental program and a plan for how the mission would be accomplished was recommended.

2. CDR Planning

- Marton will be responsible for organizing the NCSX CDR from the OFES side. He welcomes suggestions for reviewers. - Responsibility for the QPS CDR is not yet determined. - The CDR is still scheduled for April 16-18, 2002. PPPL has proposed a delay in the NCSX CDR by a few (3-4) weeks, maintaining a 3-week interval between it and the QPS CDR which follows. The proposal is still under consideration by DOE. A delay cannot be approved without a better understanding of the OMB schedule requirements. The project will continue to plan on April 16-18. - Actions:  
a. Review list of CDR deliverables and come up with a proposal (Neilson, Pitonak)  
b. Issue a draft charge for comment (Marton)  
c. Provide reviewer suggestions to Marton (All)  
d. Establish responsibility within OFES for the QPS CDR. (Marton)

3. DOE schedule requirements (Marton)

Marton reported:

- Reapproval of CD-0 will not be required. This is good news. - It is unlikely that a Lehman project validation review will be required in FY-2002. Lyon's discussions with ORO are also consistent with this. Also good news. - There will need to be a short report to OMB, based on the CDR. It will be similar to the OMB capital asset acquisition plan that was produced this past September. The project and OFES will be responsible. The deadline is not yet known. Warren is on top of it. - CD-1 will be after the CDR; it could be as late as the end of the fiscal year. - The CDR will be sufficient for CD-1; a Lehman review is not required. The project and OFES will be responsible. - Acquisition plan: Will be required to support CD-1. Details will

be forthcoming from OECM in January. Not expected to interfere with CDR preparation. Warren is on top of it.

Sequence of events this year: CDR, OMB document, CD-1/Acquisition Plan.

Next meeting of this group: Tues., Jan. 15, 2002 at 11:00

Please let me know of any corrections or amplifications.

Summary by:  
Hutch Neilson