

## **NCSX IPT Meeting Minutes**

### **April 22, 2003**

#### Attendees:

G. Pitonak - DOE-PAO

G. Nardella, C. Finfgeld - DOE-OFES

H. Neilson, R. Strykowski, J. Schmidt, R. Hawryluk, J. Levine, W. Reiersen - PPPL

J. Lyon - ORNL

#### 1. News- Pitonak, Nardella, Finfgeld

\* Recent NCSX FY-03 budget reductions were summarized by OFES

\$41k from PPPL Research Prep/Adv. Conceptual Design (Gene)

\$20k from PPPL Research Prep (Chuck)

\$10k from ORNL Research Prep (Chuck)

\$25k from PPPL (RP or MIE?) for OVEC Reprogramming (Gene)

\* Fin plan changes to be requested by ORNL & PPPL

#### PPPL:

Transfer \$160k from QPS to NCSX MIE

Transfer remaining NCSX Adv. Conceptual Design funds to MIE.

#### ORNL:

Transfer \$160k from NCSX Adv. Conceptual Design to QPS

Transfer remaining NCSX Adv. Conceptual Design funds to MIE.

Formal request letters will be submitted by ORNL and PPPL for the June Fin. Plan.

ACTION: Strykowski, Lyon.

\* DCMA auditing services will have to be paid for in the future.

DOE-CH will establish a memo of agreement with DCMA for future services.

ACTION: Project to estimate expected usage of DCMA services. (Neilson)

#### 2. New DOE Project Management Manual, DOE M 413.3-1 (Pitonak)

New manual has been approved. It goes into effect October 1 but we will start using it now.

#### 3. NCSX OMB300A data sheet (Pitonak)

It was agreed that the OMB300A is OK as drafted with incorporation of minor OFES comments.

ACTION: Strykowski incorporate and re-submit.

#### 4. Project status update (Neilson)

Progress Highlights:

- VV Mfg. Development contracts have been awarded to 1)Major Tool and Machine, Indianapolis, IN; and 2)Rohwedder, Inc., Oviedo, FL, teamed with Nu Vacuum Systems, Inc., Kingston, MA.

ACTION: Neilson send a highlight to Nardella.

- VV shell geometry has been settled. Lumpiness removed.
- TF configuration settled: wedged design. Title I design under way.
- PF configuration settled: 6 pairs. Title I design under way.
- Modular coil cooling concept defined. Implementation R&D in progress.
- Excellent progress in winding/impregnation R&D. Good impregnation of cable conductor. Keystone tests in progress.
- Good progress in testing legacy equipment: NBI vacuum, spare tubes. NBI power supply tests in progress.

Schedule issues:

- Slower than expected progress in modular coil winding pack geometry optimization. (Based on M50 physics design adopted in Dec., 2002)
- Late placement of mfg. development contracts.

#### 6. NCSX PDR Planning.

Because of the design delays, the project is considering a 2-3 month delay in the PDR in order to ensure a high probability of success. The Lehman/EIR review and CD-2, which follow the PDR, would also slip.

We discussed DOE HQ needs for updated budget information. Nardella stated that OFES has to provide input on the FY-05 budget in August or Sept. Currently the AEP profile is being used for planning purposes. If any changes are needed, he needs to be informed by then. PPPL stated that the project planning is consistent with the AEP profile, even in the case of a delayed PDR.

We discussed DOE HQ needs for CD-2, i.e. formal baselining of the project. Nardella stated that there is no "critical" date for CD-2 relative to the budget cycle. A delay in CD-2 in the range discussed (2-4 months) is not thought to pose a major risk of a major funding delay. Nardella agreed to further research the implications of delays in the range of 1 to 4 months to verify there are no major pitfalls that we haven't foreseen.

ACTION: Nardella, by early next week.

The consensus of the IPT was that having a successful PDR is more important than adhering to the current schedule. A modest delay in order to be adequately prepared is prudent.

Lyon stated that if the NCSX PDR is delayed, the QPS CDR would be re-scheduled to June.

A decision should be made by April 30 so that both projects can proceed with their planning.

6. Next IPT meeting: Tuesday, May 13 at 11:00 am.

Summary by;  
Hutch Neilson