Summary of NCSX Integrated Project Team Meeting of July 23, 2002.

Attendees:
DOE-PAO: G. Pitonak, Chair
DOE-OFES: W. Marton, C. Finfgeld, G. Nardella PPPL: G. Neilson, J. Schmidt, R. Strykowski, W. Reiersen, R. Hawryluk
ORNL: J. Lyon, B. Nelson

1. DOE News (Marton)
Possibility of a continuing resolution if Congress is late in passing the FY-03 budget was discussed. However, NCSX project planning assumes that FY-03 funding will arrive on schedule. Procurement packages for modular coil and vacuum vessel manufacturing development are being prepared. Incremental funding of the suppliers will be considered if a continuing resolution limits spending authority.

Marton: OFES will entertain project recommendations to revise funding to participants. Deadline is early August to affect the October fin. plan. Changes can be made later as well.

2. Preparations for CD-1 ESAAB, Aug. 2 (Pitonak)

Document package will be sent out to all ESAAB members by the end of this week. Pitonak will dry run his presentation Thursday, 7/25 at 9:00 a.m. ESAAB will be Friday, Aug. 2 at 10:00. Project will send a delegation to support Pitonak in case questions come up.

Marton: AEP and PEP are moving through signature process. Ben Weekly is responsible for expediting through SC. Aim is to have Orbach sign it before PPPL Site Visit of 7/31. A satisfactory process is being followed for accommodating changes requested in the signature process.

3. & 4. Project Status, Progress on technical issues

Neilson: Since CDR, project has generated CD-1 documentation and re-organized engineering and project control. CDR recommendations are being factored into project plans and, in some cases, are already completed.

Goals for the remainder of FY-02 are to establish initial baselines (technical, cost, and schedule) prior to project start, and to issue the RFP for modular coil manufacturing development by the end of September.

In establishing its technical baseline, the project will update to a healed coil design and may revise the modular coil cooling concept. Trade studies of different alternatives are currently in progress.

Reiersen / Strykowski: The project schedule has been re-visited in the light of CDR recommendations to expedite the manufacturing development and major industrial fabrication activities (winding forms, vacuum vessel) The result is increased schedule flexibility for the later in-house activities (coil winding, machine assembly). Key features: - Winding forms will be manufactured by type, i.e., all the type 1's, then the type 2's, then the type 3's. Previous plan was to fab. by period. - Both winding form R&D suppliers will fabricate Type 1 forms. The tooling will then be available for the Type 1 production coils, shortening the startup time for the production program. - Winding form fabrication is thereby accelerated, resulting in 9-month float. Vacuum vessel moves to critical path as a result. -Vacuum vessel shell will be fabricated and shipped by period to support machine assembly schedule. Previous plan was to have supplier perform fit-up assembly of the entire VV shell before shipping - Ports will be fabricated in parallel with shell. - Coil winding and assembly operations begin ~3 months earlier, providing increased schedule flexibility for unanticipated problems or delays.

The revised schedule follows DOE funding profile guidance. It was noted that additional funds in FY-04 and -05 would enable further improvements. Coil winding could start several months earlier with smoother transition from R&D to production activities.

The IPT endorsed the project's proceeding in the direction described.

5. Next IPT Meeting: Tues., Aug. 13 at 11:00. Usual arrangements.

Summary by:
Hutch Neilson