

**NCSX Teleconference Project Meeting
July 12-13, 2000**

Agenda

Purpose

- Assess progress toward project milestones for FY-2000:
 - PAC Meeting Aug. 1-2
 - updated plasma configuration before Aug. 1.
 - updated machine configuration by Sept. 1.

Participation Instructions

- Visuals: Access http://www.pppl.gov/ncsx/ncsxfss/Meetings/Project_Mtgs/project.html
- Audio: Use (phone number, participant code) below; note each day is different.

Wednesday, July 12, 2000 (1-888-622-5357, #900885)

Overview of Plans and Schedule

- 9:30 NCSX Project Overview (G. Neilson)
- 9:50 NCSX Physics Overview (M. Zarnstorff)
- 10:10 Discussion

Magnetic Configuration

- 10:25 Medium and High Iota Plasma Configurations (L. Ku)
- 11:00 Break
- 11:10 Iota<0.5 Plasma Configurations (C. Kessel)
- 11:35 Magnetic Surfaces Evaluation (D. Monticello)
- 12:05 Island Manipulation Using Boundary Perturbations (S. Hudson)
- 12:30 Discussion
- 12:45 Lunch

Magnetic Configuration, cont'd.

- 2:00 Coil Design: Modular Option (D. Strickler)
- 2:30 Coil Design: "1/R+Saddles" Option (A. Brooks)
- 3:00 Discussion

Wednesday, July 12, 2000 (1-888-622-5357, #900885), cont'd.

Coil flexibility, startup, good surfaces

- 3:15 Free-boundary VMEC flexibility study (N. Pomphrey, R. Hatcher)
- 3:45 Break
- 4:00 Startup study: update (E. Lazarus)
- 4:30 Designing Coils to Preserve Good Surfaces (R. Woolley)
- 5:00 Discussion
- 5:30 Adjourn

Thursday, July 13, 2000 (1-888-830-6260, #191264)

Transport

- 9:30 Neoclassical Temperature Profile Predictions for NCSX (D. Mikkelsen)

Machine Configuration Development

- 10:00 Modular Coil Configuration (D. Williamson)
- 10:45 Break
- 11:00 Access Issues (M. Cole)
- 11:20 Discussion
- 12:30 Lunch

Divertors, PFCs

- 1:30 Divertor Planning (J. Schmidt)
- 1:40 Edge magnetic field structure study (A. Grossman)
- 2:10 Plasma-Facing Components Update (P. Goranson)
- 2:40 Discussion

Issues and Plans

- 3:00 Cost issues, update (B. Nelson)
 - 3:30 Break
 - 3:45 Near-term plans (W. Reiersen)
 - 4:05 PAC & FESAC Issues (M. Zarnstorff)
 - 4:20 Discussion
- by 5:45 Adjourn