

**NCSX Teleconference Project Meeting**  
**December 19-20, 2000**  
**Agenda**

**Goals for This Meeting**

- Update requirements, particularly reference scenarios, flexibility, trim coils, power and particle handling, size & B.
- Review progress of physics analysis and documentation for PVR.
- Review progress of stellarator core and power supply design.

**Participation Instructions**

- Visuals: Access [Project Meetings](#) link on the [NCSX](#) web site.
- Audio: Call 1-800-403-2015. Participant code: 769315.

**Tuesday, December 19, 2000**

NCSX Project Status and Plans

- 10:00 Project Overview (G. Neilson)
- 10:20 Physics Overview (M. Zarnstorff)
- 10:40 Discussion

Coil Design

- 10:50 Flexibility (N. Pomphrey)
- 11:20 Modular coil perturbations for island suppression (S. Hudson, D. Monticello)
- 11:45 Break
- 12:00 Modular coil design improvements: optimization (D. Strickler)
- 12:25 Reconstruction of physics properties from coils (M. Zarnstorff, L.P. Ku)
- 12:45 Lunch
- 1:30 Coil design summary: status and plans (S. Hirshman)
- 1:50 Discussion
  
- 2:00 Resistive Stability of Modeled Startup Evolution (E. Fredrickson)
- 2:15 Trim Coils (A. Brooks)
- 2:45 Transport and Machine Sizing (D. Mikkelsen, M. Zarnstorff)
- 3:15 Discussion
- 3:30 Break

Power & Particle Handling

- 3:45 Proposed Requirements (P. Mioduszewski)
- 5:00 Discussion
- 5:30 Adjourn

**Wednesday, December 20, 2000**

Engineering Overviews

- 10:00 Engineering Update (W. Reiersen)
- plans, WBS, requirements, technical updates (e.g., PF, site)
- 10:30 Studies of Alternative, Lower-Cost Options (P. Heitzenroeder)
- 10:50 Discussion

Stellarator Core

- 11:00 Machine Configuration (D. Williamson)
- cryostat, structure, assembly
- 12:00 Lunch
- 1:00 Access (M. Cole)
- NBI, RF, diagnostics, personnel

Power Systems

- 2:00 Power System Design (C. Neumeyer)
- 2:30 Break
- 2:45 Discussion
- What is engineering going to do about trim coils?
  - What is the strategy for establishing the first-wall configuration?
  - What is the plan for exploring alternative, lower cost designs?
- by 5:00 Adjourn