

NCSX Project Overview

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NCSX Project Meeting
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NCSX Design Schedule

Sub-Phase	Planned Accomplishment Status	Schedule Status
Configuration Update (Phase II)		
IIa	<ul style="list-style-type: none"> • Improved physics tools to implement new requirements. • Candidate machine topology options for subsequent evaluation. 	3/1/2000 Complete
IIb	<ul style="list-style-type: none"> • Updated reference plasma configuration meeting all requirements. • Understand machine topology options for C82. <p>Have moved topology studies to new plasma configurations. Want to better understand coil implications before downselecting to one.</p>	6/1/2000 Forecast 7/28/2000
	<p>Meeting of NCSX Program Advisory Committee (PAC-4)</p> <ul style="list-style-type: none"> • Progress in resolving PAC and FESAC issues. (i.e., flexibility, startup, robustness, performance, access, enhanced confinement) • Advice on project decisions. 	8/1-2/2000
IIc	<ul style="list-style-type: none"> • Updated stellarator configuration based on new reference plasma and best machine topology. 	9/1/2000
Conceptual Design (Phase III) and Beyond		
III	Physics Validation Review	12/2000
III	Conceptual Design Review & Project Validation completed by:	5/2001
IV	Advanced conceptual design and R&D (mid-FY-2001 through FY-2002)	
	Start Title I Design	10/2002

Purpose of This Meeting

- Assess progress toward project goals for FY-2000
⇒ Decisions on plasma and machine configuration.
- Prepare for Aug. 1-2 PAC Meeting.

Sessions

- Overviews
- Magnetic Configuration
- Flexibility, startup, good surfaces
- Transport
- Machine Configuration Development
- Divertors and PFCs
- Issues and Plans

Calendar

2000

- Aug. 1-2** Next NCSX PAC Meeting (PAC-4).
- Sept. 11-15** Symp. on Fusion Technology (SOFT), Madrid.
- Oct. 4-10** IAEA Meeting, Sorrento. (M. Zarnstorff, D. Spong, G. Fu, J. Lyon, N. Pomphrey)
- Oct. 12-16** Varenna Alternates Conference, Italy. (H. Mynick, D. Spong)
- Oct. 23-27** APS-DPP Meeting, Quebec City. (Abstracts: **Today**)
- Dec. t.b.d.** Physics Validation Review.
- Dec. 5-8** Toki Conference, Japan.

2001

- April-May** Conceptual Design Review / Project Validation
- Sept. 24-29** International Stellarator Workshop, Canberra, Australia