

NSO PAC 2 Meeting Agenda-Draft 1/8/01
MIT PlasmaFusion Center
Building NW17, Room 218
175 Albany Street

Wednesday, January 17, 2001

- 8:30 am Welcome and Logistics (Porkolab/Marmar)
- 8:45 am Introduction and Review of the Agenda (Taylor/ C. Baker call in)
Structure and Nature of the Report (Taylor)
Discussion of PAC-1 Charge (Taylor)
What is the scientific value of a burning-plasma physics experiment?
What is the scientific readiness to proceed with such an experiment?
Is the Fire Mission Scientifically Appropriate?
Is the Initial Fire Design Point Optimal?
- 9:15 am Discussion of the UFA workshop (Navratil)
- 10:00 am Discussion of FESAC Burning Plasma Charge and Plan (Freidberg)
- 10:15 am Break
- 10:30 am Previous NSO-PAC Report (Taylor)
- 11:00 am Response of Project to NSO-PAC-1 Findings and Recommendations (Meade et al)
The intent is to complete response to charges 1 & 2 – scientific value & readiness to proceed.
Mission articulation, Derivation of Device from Mission
- 12:00 pm Lunch (at PSFC)
- 1:00 pm Performance projections using latest data base and ITER-98(y,2)
Density range and impact
Dimensionless parameter range/comparison with other BPs
- 1:45 pm Optimizing Design Point (Thome/Schultz/Titus)
- 2:15 pm AT Modes, Requirements, implementation strategy (Jardin/Kessel)
- 2:45 pm Diagnostics Capabilities and Issues for FIRE (K. Young)
FIRE R&D requirements.
Operation issues- low rep rate (deferred)
Role of modeling/simulations in design and operation - (deferred)
- 3:15 pm Break
- 3:30 pm Discussion (Baker call in?)
- 5:00 pm PAC Executive Session
- 6:00 pm Adjourn

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8:30 am Fire Mission discussion (2 hr)
Flexibility, diagnostics, Performance margin vs Flexibility

10:15 am Break

10:30 am Closed Discussion Session

12:00 pm Lunch at PSFC)

1:00 pm Prepare draft of PAC Report

4:00 pm Feedback session

5:00 pm Adjourn