

Princeton Plasma Physics Laboratory Machine Proposal Procedure

Procedure Title:

OP-XMP-

Revision:
0

Effective Date: 02/01/1999
(Ref. OP-AD-97)
Expiration Date: 02/01/2001
(2 yrs. unless otherwise stipulated)

Procedure Approvals

Author

Date

ATI

Date

RLM Joel Hosea

Date

Responsible Division: Experimental Research Operations

Procedure Requirements designated by RLM

	NSTX Work Permit (TBD)		Lockout/Tagout (OP-AD-61)
	TFTR Work Permit (OP-AD-09)		Door Permit (OP-G-93)
	Tritium Work Permit (OP-AD-49)		T-MOD (OP-AD-03)
	RWP (HP-OP-20)		Lift Procedure (ENG-021)
	Confined Space Permit		DCA/DCN (OP-AD-104)
	Pre-job brief (OP-AD-79)		ATI Walkdown
	USQD (OP-AD-63)		Independant Review
	Master Equip. List Mod (OP-AD-112)		ES&H Review (NEPA, IH, etc)

MINOR MODIFICATIONS

REVIEWERS (designated by RLM)	
ATI	Joel Hosea
Test Director	
Independent Reviewer	
D-Site Shift Supervisor	
NSTX	
TFTR Caretaking	
Vacuum	
Computer	
Tritium	
QA/QC	
AC Power	
FED	
ECS/MG	
FED	
ERWM	
Water	
NB	
RF	
Diagnostics	

TRAINING (designated by RLM)			
No training required _____		Instructor _____	
Personnel (group, job title or individual name)	Read Only	Instruction	Hands-On
Training Rep. _____			

RLM _____

NSTX MACHINE PROPOSAL

TITLE: _____ **XMP#** _____

AUTHORS: _____ **DATE:** _____

1. **Overview of planned experiment:**

Describe the purpose of the experiment.

2. **Justification:**

Brief justification of activity

3. **Plan:**

List any other procedures that must be executed in the performance of this XMP.
Describe experiment in detail.
Provide spaces to enter data as may be appropriate.

4. **Required machine, beam, ICRF and diagnostic capabilities:**
(Include completed Diagnostic Checklist and a Physics Operations form if needed)

5. **Provide sign-off to proceed from Physics Operations.**
Provide spaces to enter data as may be appropriate.

5.1 Permission to Proceed:

Physics Operations

5.2 Documentation of results:

Documentation of the results completed, attached to proposal and sent to Ops. Center with copies to Cognizant Physicist and Head of Physics Operations.

Cognizant Physicist

PHYSICS OPERATIONS REQUEST

Title:

Proposal:

Machine conditions (indicate range where appropriate):

I_p (MA)____ R(m)____ z(m)____

Inner Wall / Single Null / Double Null

Flattop start/stop____, I_{TF} (kA)____, Gas Species ____

Beams: Power____, duration____, voltage ____

RF: Power____, duration____,

CHI on/off Start-up/Current ramp/Current Sustainment

If this is a continuation of a previous run or if shots from a previous run are similar to those needed, please provide that information.

List of previous shot numbers for setup

If this is a series of shots that are new and unique, sketch the desired time profiles and shapes. It is important that you accurately label the sketch so there is no confusion about times or values.

(Attach additional sheets as required)

Diagnostic Checklist

XP Title: XP No.

		Need	Desire	Comments
Magnetics:	Magnetics	—		
n_e and T_e:	Interferometer Thomson Scattering	—		
T_i:	CHERS NPA			
Spectroscopy :	H SPRED (UV) VIPS (H/D ratio) X-ray PHA Visible Bremsstrahlung	—		
Particles:	NPA			
Waves:	Mirnov Coils X-ray Array Reflectometer			
Edge:	Bolometer Plasma TV IRTV	—		
		—		