NCSX Fabrication Project Cost and Schedule Estimating Form
(Attachment 1c - FAB)

WBS: 55 NCSX Real Time Plasma & Power Supply Control

Activity Title	Manhours	FY2002 $$	Labor Type	Start Date Month/Year	End Date Month/Year	Comments
Labor						
Preliminary Design (Title I)	80		ECEM	7/1/06	9/1/06	Baseline requirements, technology search
Final Design (Title II)	80		ECEM	9/1/06	10/1/06	Final Design Review
Lab Fab/Assembly/Installation (Title III)	480		ECEM	10/1/06	4/1/07	Procurement, SW Design, test, troubleshoot,
	1200		ECSM	10/1/06	4/1/07	Fab, test, troubleshoot, deployment
Level of Effort						
FY2003	24		ECEM			
FY2004	24		ECEM			
FY2005	24		ECEM			
FY2006						
FY2007						

NCSX Fabrication Project Cost and Schedule Estimating Form
(Attachment 1c - FAB)

WBS: 55 NCSX Real Time Plasma & Power Supply Control

Activity Title	Manhours	FY2002 $$	Labor Type	Start Date Month/Year	End Date Month/Year	Comments
M&S Costs						
Manufacturing Development						
Purchased Design Services						
Procured Hardware/Material						
Procured Hardware/Material		12		10/1/06	4/1/07	3 Systran Fiber Extreem FHG2
		4.6		10/1/06	4/1/07	4 VMIC VME Bus Repeaters
		3		10/1/06	4/1/07	FIMM module
		12.4		10/1/06	4/1/07	2 Merlin 9421 32 channel digitizers
		6		10/1/06	4/1/07	2 VME crate
		10		10/1/06	4/1/07	Signal conditioning chassis
		4.2		10/1/06	4/1/07	2 Clock receivers/2 FPFP breakouts, DAC/DIC
		1.2		10/1/06	4/1/07	Apromag IP DIO/DAC
Purchased Design Services						
Procured Installation/Assembly Costs						
Other Costs						
Travel						
Allocations (WBS 81 only)						

NCSX Fabrication Project Cost and Schedule Estimating Form
(Attachment 1c - FAB)

WBS: 55 NCSX Real Time Plasma & Power Supply Control

Activity Title	Manhours	FY2002 $$	Labor Type	Start Date Month/Year	End Date Month/Year	Comments

Instructions for Completing Form
(1) One form for each 3 digit WBS element (e.g., 111, 121, 452, etc.) => if no 3 digit WBS, use 2 digit WBS (e.g., 81, 82, 84)
(2) For Lab labor, provide estimate in manhours => provide estimate by specific labor type.
(3) For M&S, provide estimate in FY2002 direct dollars if procured by PPPL, or in fully loaded dollars if procured by ORNL
(4) Start and end date provided in month/year format => March/2003