

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	Total Float	FY11			FY12		
						SEP	OCT	NOV	SEP	OCT	NOV
<b>NSTX Upgrade Project</b>											
<b>Level 3 Milestones</b>											
LEVEL 3											
LRCD3	Lehman Review	0		27OCT11	59						
<b>Job: 1001 - CS Plasma Facing Components-TRESEMER</b>											
1001-0056	Prep Procurement Specs	15	17OCT11*	04NOV11	29						
<b>Job: 1201 - Outer TF Structures-SMITH</b>											
1201-0035	Review, Check Drawings	10*	19SEP11A	30SEP11	86						
1201-0042	Prep Req & Procurement Package	10	03OCT11	14OCT11	86						
<b>Job: 1202 - Outer PF2 Coil Structures-SMITH</b>											
1202-0035	Review, Check Drawings	15*	12SEP11A	30SEP11	224						
1202-0042	Prep Req & Procurement Package	5	03OCT11	07OCT11	224						
<b>Job: 1203 - PF3 Support.-SMITH</b>											
1203-0035	Review, Check Drawings	10	09SEP11A	22SEP11	242						
1203-0042	Prep Req & Procurement Package:inconel Bolts	5	03OCT11*	07OCT11	236						
<b>Job: 1205 - Umbrella-SMITH</b>											
Lower Umbrella											
1205-0035	Review, Check Drawings	4	02NOV11	07NOV11	113						
Upper Umbrella											
1205-0093	Review, Check Drawings	4	02NOV11	07NOV11	112						
1205-0100	Prep Req & Procurement Package	10	08NOV11	21NOV11	112						
<b>Job: 1206 - Pedestal -SMITH</b>											
1206-0035	Review, Check, Drawings	11*	16SEP11A	30SEP11	268						
1206-0042	Prep Req & Procurement Package	10	03OCT11	14OCT11	268						
<b>Job: 1207 - Vessel Legs -SMITH</b>											
1207-0035	Review, Check Drawings	10*	19SEP11A	30SEP11	224						
1207-0042	Prep Req & Procurement Package	3	03OCT11	05OCT11	224						
<b>Job: 1304 - Inner TF Bundle (Ds/Fab)-CHRZANOWSKI</b>											
Manufacture Inner TF Conductor											
1304-0759	AWARD TF MACHINING CONTRACT S011001-G	0		14SEP11*	2,594						
1304-09491	Fixtures & Tooling -Designed & ordered	1	12OCT11*	12OCT11	90						
<b>Job: 1305 - OHMIC Heating Coil (OH)-CHRZANOWSKI</b>											
TF/OH Material Procurements											
1304-3450	Spec-TF conductor stands- for insulating	20	31AUG11	28SEP11	59						
1305-2652	Fabricate Sanblast Unit Stand (TECH SHOP)	30	30SEP11	10NOV11	25						
1305-2900	Spec-Insulation [fiberg tape, teflon and gnd p	20	30SEP11*	27OCT11	38						
1305-3000	Epoxy- CTD-425	20	17OCT11*	11NOV11	42						
1305-3200	G-10 Filler modifications	40	03OCT11*	29NOV11	107						
1305-3810	Bid/Award High & Low Temp Vac Tubing (VPI)	30	31OCT11	13DEC11	72						
OH Conductor & Other Hardware											
1305-0940	Bid & Award OH Conductor Fabrication	30	26SEP11	04NOV11	188						
<b>Job: 1306 - Inner PF Coils-CHRZANOWSKI</b>											
1306-2030	Bid/Award - Inner PF Conductor	30	31OCT11	13DEC11	59						
1306-3020	Bid/Award Kapton/Glass Insulation	30	17OCT11	29NOV11	89						
1306-4010	Prep SOW for SS Supp for PF1A/B Coils	20	03OCT11*	28OCT11	49						

Data Date: 31AUG11  
Run Date: 28SEP11 11:52

1110 EVMS Rule  
A = LOE K = Planning  
B = Milestone  
C = % Complete

**NSTX UPGRADES**  
**ACCELERATED SCHEDULE**  
**PRELIMINARY**

Sheet 1 of 4

**NSTX-U 4 Weeks Look Ahead Sched Layout**

Legend:  
 BASELINE  
 FORECAST  
 Progress Bar  
 Critical Activity

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	Total Float	FY11		FY12	
						SEP	OCT	NOV	
<b>Job: 1307 - CS Casing Assembly -CHRZANOWSKI</b>									
1307-2250	Spec/Requisition CB SS Structure	20	03OCT11*	28OCT11	69				
Bellows requisition has been signed									
<b>Job: 1302 - Center Stack Assembly-CHRZANOWSKI</b>									
1302-0050	CAD Support for Setup of CS Assembly Area	25	03OCT11*	04NOV11	69				
1302-0060	Generate CS Assembly Procedure	10	03OCT11*	14OCT11	49				
1302-0070	Generate CS Installation Procedure	10	17OCT11	28OCT11	49				
<b>Job: 2425 - BL Relocation-DENAULT</b>									
Design									
2425-0027	Prep Procurement Specs	81*	31AUG11*	03JAN12	197				
Procure, Fab & Assembly									
2425-0033	Prep Requisitn and procuremt pckg-Steel & Parts	1	29SEP11	29SEP11	247				
2425-0034	SUBMIT REQ TO PROCUREMENT - Steel and Parts	1	30SEP11	30SEP11	247				
2425-0035	Procurement lead time (1) - Steel and Parts	30	03OCT11*	11NOV11	247				
<b>Job: 2440 - 2nd NBI Beamline-DENAULT</b>									
Procure, Fab & Assembly									
2440-0003	Calorimeter parts	53*	26AUG11A	09NOV11	13				
2440-0004	Ion Dump parts	50	31AUG11	09NOV11	13				
2440-0011	Calorimeter TC wiring	50	31AUG11	09NOV11	13				
2440-0012	Ion Dump TC wiring	50	31AUG11	09NOV11	13				
Refurbishment									
2440-0030	Refurbish Calorimeter	64*	22AUG11A	18NOV11	6				
<b>Job: 2450 - 2nd NBI Services-DENAULT</b>									
Design									
2450-0026	Prep Procurement Specs	194*	22AUG11A	31MAY12	139				
Procure, Fab & Assembly									
2450-0097	Legs (TECH SHOP)	41*	22AUG11A	18OCT11	596				
2450-0099	HVAC	99	03OCT11*	17FEB12	516				
<b>Job: 2460 - 2nd NBI Armor-TRESEMER</b>									
2460-0037	Prep Requisition & Procuremnt Pckg - Armor suppo	10	03OCT11*	14OCT11	405				
2460-0038	Submit Request t/Proc - Armor Support	1	17OCT11	17OCT11	405				
2460-0039	Procurement Lead Time - Armor Support	25	18OCT11	21NOV11	405				
2460-0045	Procurement Lead Time - New Backing Plates	15	06OCT11*	26OCT11	401				
2460-0057	In Vessel Work Remove Armor	20	01NOV11*	30NOV11	436				
<b>Job: 2475 - 2nd NBI Controls-CROPPER</b>									
Control System Layout									
2475-0105	NBOS Station - Control System Layout	32*	01AUG11A	14SEP11	80				
Procurement									
2475-0116	Prep Requisition and procurement package	5	04OCT11	10OCT11	67				
2475-0117	SUBMIT REQ TO PROCUREMENT	1	11OCT11	11OCT11	67				
2475-0118	Procurement lead time (1)	15	12OCT11	01NOV11	67				
<b>Job: 2480 - 2nd NBI/TVPS Duct &amp; VV-DENAULT</b>									
Procure, Fab & Assembly									
2480-0059	Prep Req & Procuremnt Pckg - Vessel Cap & Port E	8	03OCT11*	12OCT11	195				
2480-0060	Submit Req to Procurement - Vessel Cap & Port Ex	1	13OCT11	13OCT11	195				
2480-0061	Procurement Lead Times - Vessel Cap & Port Exten	25	14OCT11	17NOV11	195				
2480-0064	Prep Req & Procuremnt Pckg - Spool Piece	5	03OCT11*	07OCT11	300				
2480-0065	Submit Req to Procurement - Spool Piece	1	10OCT11	10OCT11	300				
2480-0066	Procurement Lead Times - Spool Piece	25	11OCT11	14NOV11	300				
2480-0072	Prep Req & Procuremnt Pckg-Raw Material f/Duct	3	03OCT11*	05OCT11	310				
2480-0073	Submit Req to Procurement -Other Material f/Duct	1	06OCT11	06OCT11	310				
2480-0074	Procurement Lead Time - Other Material for Duct	25	07OCT11	10NOV11	310				

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	Total Float	FY11			FY12		
						SEP	OCT	NOV	SEP	OCT	NOV
<b>Job: 2490 - NTC Eqipt Relocations-PERRY</b>											
Removals											
24911700	Design 5 sections of Platform EI 118' W Side NTC	10	31AUG11	14SEP11	127	[Bar]					
24911710	Prep procd 5 sections of Platform EI 118' W Side	3	15SEP11	19SEP11	127	[Bar]					
24911720	Fab 5 sections of Platform EI 118' W Side NTC	20	20SEP11*	17OCT11	127	[Bar]					
24911730	instl 5 sections of Platform EI 118' W Side NTC	5	18OCT11	24OCT11	127	[Bar]					
24910000C	Fabricate Power Cart	5	10OCT11	14OCT11	130	[Bar]					
24910000D	Field Power Shutdown	3	17OCT11*	19OCT11	130	[Bar]					
<b>Job: 3200 - Water Cooling System Mods-DENAULT</b>											
3200-0025	Final Design-Prep Procurement Specs	35*	01AUG11A	19SEP11	59	[Bar] EM//EM =40 ;					
<b>Job: 4100 - Center Stack Diagnostics-KAITA</b>											
4100-0032	Wire/Cables-Prep Requisition and procurement pac	15	03OCT11*	21OCT11	39	[Bar] EE//EM =40 ; EE//SM =40 EM//ST =40 ; EM//EM =80					
4100-0038	Coils w/mandrels -Prep Requisition & procurement	15	03OCT11*	21OCT11	39	[Bar] EE//EM =10 ; EM//ST =20 EE//SM =40 ; EM//EM =80					
<b>Job: 4500 - MPTS VV Modification-LABIK</b>											
Design											
MPTS-0028A	CONDUCT FDR MPTS VV interface	18	03OCT11	26OCT11	359	[Bar] EM//EM =20 ; EA//SB =3 R///RM =10 ;					
MPTS-0028C	CONDUCT FDR externals	18	18OCT11*	10NOV11	348	[Bar] EM//EM =20					
MPTS-0030	FDR Chit Response	5	11NOV11	17NOV11	348	[Bar] EM//EM =20 ; R///RM =5 ; EA//EM =80 ; EA//SB =40 ;					
Procurement											
MPTS-0033	Bay L Port Cover (CAP) Diagnostic Components	187*	15AUG11A	14MAY12	404	[Bar]					
MPTS-0036	Tooling	134*	15AUG11A	29FEB12	404	[Bar]					
<b>Job: 5000 - CSU Power Systems-RAKI</b>											
531 - FCPC DC PF1 & TF Systems											
531-021	531- FCPC DC Systems -Procure OH Reactors	195	07NOV11*	17AUG12	136	[Bar] 41=100,000 ;					
<b>Job: 5200 - Digital Coil Protection-HATCHER</b>											
24	CSU FDR Prep	9	03OCT11	13OCT11	199	[Bar] EE//EM=40					
28	Systems Code - A	120	14OCT11*	10APR12	199	[Bar] EE//EM=200;EA//SB=120					
30	DCPS Algorithms	120	03OCT11*	28MAR12	208	[Bar] EE//EM=320;EA//EM=320					
<b>Job: 7200 - Center Stack Management-DUDEK</b>											
Project Reviews											
7200-02S	FY2011 CSU Project OPA Reviews	20	03OCT11*	28OCT11	2,112	[Bar] EM//EM =310					
7200-04S	FY2013 CSU Project OPA Reviews **N/R**	0	31AUG11	30AUG11	2,604	[Bar]					
7200-05R	FY2014 CSU Project OPA Reviews **N/R**	0	31AUG11	30AUG11	2,604	[Bar]					
7200-05S	FY2014 CSU Project OPA Reviews **N/R**	0	31AUG11	30AUG11	2,604	[Bar]					
<b>Job: 7300 - NB2 Management-STEVENSON</b>											
Project Reviews											
7300-12	FY2011 NB2 RLM's support of OPA reviews	20	03OCT11*	28OCT11	2,112	[Bar] EE//EM =160 ; EM//EM					
7300-32	FY2013 NB2 RLM's support of OPA reviews **N/R**	0	31AUG11	30AUG11	2,604	[Bar]					
<b>Job: 8200 - Field Supervision &amp; Oversight-PERRY</b>											
LOE											
8200-0005A	Work Planning	62	03OCT11*	06JAN12	2,520	[Bar] EM//EM =24 ;					
<b>Job: 8210 - CS &amp; Coil Sprt Struct Instal - PERRY</b>											
Diag Catalogue & Rmvl Procedures											
8200-0026	Perform bay by bay catalogue and label Elect	20	03OCT11*	28OCT11	152	[Bar] EM//SM =96 ;					
8200-0027	Perform bay by bay catalogue and label Mech	20	03OCT11*	28OCT11	2,522	[Bar] EM//SM =96 ;					
Removals (non NB related)											
8200-0028B	Dsgn/Fab TF Coil Handling Fixture	20	03OCT11*	28OCT11	2,522	[Bar] EA//SB=150;EM//SM=480;M					
8200-0029	Remove RF pipes	10	03OCT11*	14OCT11	198	[Bar] EM//ST Miller=800					
8200-0029A	Blow Out Hoses	1	17OCT11	17OCT11	198	[Bar] EM//ST Miller=100					
8200-0029B	Lower Hoses Relocate	3	18OCT11	20OCT11	198	[Bar] EM//ST Miller=200;M&S=5k					

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	Total Float	FY11			FY12		
						SEP	OCT	NOV			
<b>Job: 8250 - Remove/Install Centerstack-PERRY</b>											
<b>Remove Old Centerstack</b>											
8250-101	Disconnect Hoses	1	18OCT11	18OCT11	316				EM//ST =32	EM//SM =08	
8250-117	lift old centerstack	2	08NOV11	09NOV11	313				EM//ST =96	EM//SM =16	
8250-121	Remove old centerstack pedestal	5	10NOV11	16NOV11	313				EM//ST =120	EM//SM =40	
<b>Install New Centerstack</b>											
8250-123	Dsgn Lift Fixture for new centerstack pedestal	97	03OCT11*	24FEB12	334				EM//EM =600		