

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	Total Float	% Comp	FY12					
							OCT					NOV
							3	10	17	24	31	
NSTX Upgrade Project												
Level 3 Milestones												
LRC3	Lehman Review	0		27OCT11*	59	0						▼
Job: 1001 - CS Plasma Facing Components-TRESEMER												
1001-0056	Prep Procurement Specs	15	15NOV11*	07DEC11	7	0						
1001-0062	Prep Req & Proc Package - Tiles (ATJ)	30	25OCT11*	07DEC11	7	0	██████████				EM//EM =20	██████████
1001-0066B	Prep Req/Proc Pckg-Machine Tile(Diagnostic/Norml)	10	28NOV11	09DEC11	129	0						
1001-0071	Prep Req & Proc Package - hardware, other materl	10	12DEC11	23DEC11	129	0						
Job: 1201 - Outer TF Structures-SMITH												
1201-0031	Final Design Analysis	277	24SEP10A	01NOV11	70	98	██████████					
1201-0031A	VV Clevis & Pins - Final Dsgn Analysis	329	24JUN10A	14OCT11	70	97	██████████					
1201-0031B	Rods & Rod Ends- Final Dsgn Analysis	331	24JUN10A	18OCT11	70	97	██████████					
1201-0031C	Weldment - Final Dsgn Analysis	341	24JUN10A	01NOV11	70	95	██████████					
1201-0032	Validation of Design Complete	199	21FEB11A	01DEC11	70	92	██████████					
1201-0032A	VV Clevis & Pins - Validation of Dsgn Complete	199	21FEB11A	01DEC11	70	90	██████████					
1201-0032B	Rods & Rod Ends- Validation of Dsgn Complete	199	21FEB11A	01DEC11	70	90	██████████					
1201-0032C	Weldment - Validation of Dsgn Complete	199	21FEB11A	01DEC11	70	90	██████████					
1201-0032E	Weldment Clevis & Pins -Validation of Dsgn Compl	199	21FEB11A	01DEC11	70	90	██████████					
1201-0033	Update CAD Models per Validation	204	21FEB11A	08DEC11	70	90	██████████					
1201-0034	Revise Fabrication & Assembly Drawings per Valid	164	18APR11A	08DEC11	70	90	██████████					
1201-0035	Review, Check Drawings	57	19SEP11A	08DEC11	39	5	██████████					
1201-0035A	VV Clevis & Pins - Revw, Check Drawings	0	17OCT11*		76	0			▼			
1201-0035B	Rods & Rod Ends- Revw, Check Drawings	0	17OCT11*		76	0			▼			
1201-0035C	Weldment - Revw, Check Drawings	0	17OCT11*		76	0			▼			
1201-0035D	Weldment Bolted Joints - Revw, Check Drawings	18	19SEP11A	12OCT11	78	5	██████████					
1201-0035E	Weldment Clevis & Pins -Revw, Check Drawings	0	17OCT11*		76	0			▼			
1201-0035F	Assembly Dwgs -Revw, Check Drawings	0	17OCT11*		76	0			▼			
1201-0043	Submit Req to Procurement	1	22DEC11	22DEC11	39	0						
Job: 1202 - Outer PF2 Coil Structures-SMITH												
1202-0035	Review, Check Drawings	23	12SEP11A	12OCT11	216	5	██████████				EM//EM =12 ; EA/SB =08 ;	
1202-0042	Prep Req & Procurement Package	5	13OCT11	19OCT11	216	0					EM//EM =12 ;	
1202-0043	Submit Req to Procurement	1	19OCT11	19OCT11	216	0						
Job: 1203 - PF3 Support.-SMITH												
1203-0035	Review, Check Drawings	24	09SEP11A	12OCT11	228	5	██████████				EM//EM =06 ; EA/SB =04 ;	
1203-0042	Prep Req & Procurement Package:inconel Bolts	5	13OCT11	19OCT11	228	0	██████████				EM//EM =12 ;	
1203-0043	Submit Req to Procurement	1	19OCT11	19OCT11	228	0						
Job: 1205 - Umbrella-SMITH												
1205-0028	Det Dsgn Eng, CAD/Analysis Iterations(15mod)	304	17AUG10A	01NOV11	117	95	██████████					
1205-0028A	Det Dsgn Eng, CAD/Analysis-Lid & Torque Plate	304	17AUG10A	01NOV11	117	95	██████████					
1205-0028B	Det Dsgn Eng, CAD/Analysis-Legs	304	17AUG10A	01NOV11	117	95	██████████					
1205-0028C	Det Dsgn Eng, CAD/Analysis-AI Blocks	304	17AUG10A	01NOV11	117	95	██████████					
1205-0028D	Det Dsgn Eng, CAD/Analysis-Overall Lower Umbrell	304	17AUG10A	01NOV11	117	95	██████████					
1205-0029	Final design Analysis	305	16AUG10A	01NOV11	117	91	██████████					
1205-0029A	Final design Analysis - Lid & Torque Plate	304	17AUG10A	01NOV11	117	95	██████████					
1205-0029B	Final design Analysis - Legs	304	17AUG10A	01NOV11	117	90	██████████					
1205-0029C	Final design Analysis - AI Blocks	304	17AUG10A	01NOV11	117	90	██████████					
1205-0029D	Final design Analysis - Overall Lower Umbrell	304	17AUG10A	01NOV11	117	90	██████████					
1205-0032	Validation of Design Complete	159	21MAR11A	01NOV11	117	90	██████████					EA//EM
1205-0032A	Validation of Design - Lid & Torque Plate	159	21MAR11A	01NOV11	117	90	██████████					

Data Date	30SEP11	1110 EVMS Rule A = LOE K = Plang Pkg B = Milestone C = % Complete	NSTX UPGRADES ACCELERATED SCHEDULE NSTX-U 4 Weeks Look Ahead Sched Layout	Sheet 1 of 5	██████████	BASELINE
Run Date	12OCT11 11:18				██████████	FORECAST
					██████████	Progress Bar
					██████████	Critical Activity

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	Total Float	% Comp	FY12					
							OCT					NOV
							3	10	17	24	31	
1205-0032B	Validation of Design - Legs	159	21MAR11A	01NOV11	117	90						
1205-0032C	Validation of Design - AI Blocks	159	21MAR11A	01NOV11	117	90						
1205-0032D	Validation of Design - Overall Lower Umbrell	159	21MAR11A	01NOV11	117	90						
1205-0035	Review, Check Drawings	4	02NOV11	07NOV11	113	0				EM/EM =30 ; EA/SB =22		
1205-0035A	Review, Check Drawings - Lid & Torque Plate	4	02NOV11	07NOV11	113	0						
1205-0035B	Review, Check Drawings - Legs	4	02NOV11	07NOV11	113	0						
1205-0035C	Review, Check Drawings - AI Blocks	4	02NOV11	07NOV11	113	0						
1205-0035D	Review, Check Drawings - Overall Lower Umbrell	4	02NOV11	07NOV11	113	0						
1205-0043	Submit Req to Procurement	1	02DEC11	02DEC11	106	0						
1205-0086	Final Dsgn Eng Iterations, DetailCAD (15mod)	304	17AUG10A	01NOV11	116	95						
1205-0086A	Final Dsgn Eng, CAD/Analysis-Lid & Torque Plate	304	17AUG10A	01NOV11	117	95						
1205-0086B	Final Dsgn Eng, CAD/Analysis-Legs	304	17AUG10A	01NOV11	117	95						
1205-0086C	Final Dsgn Eng, CAD/Analysis-AI Blocks	304	17AUG10A	01NOV11	117	95						
1205-0086D	Fin Dsgn Eng, CAD/Analysis-Overall Upper Umbrell	304	17AUG10A	01NOV11	117	95						
1205-0087	Final Design Analysis	304	17AUG10A	01NOV11	116	91						
1205-0087A	Final design Analysis - Lid & Torque Plate	304	17AUG10A	01NOV11	117	95						
1205-0087B	Final design Analysis - Legs	304	17AUG10A	01NOV11	117	90						
1205-0087C	Final design Analysis - AI Blocks	304	17AUG10A	01NOV11	117	90						
1205-0087D	Final design Analysis - Overall Upper Umbrell	304	17AUG10A	01NOV11	117	90						
1205-0090	Validation of Design Complete	179	21FEB11A	01NOV11	116	90						EA/EM
1205-0090A	Validation of Design - Lid & Torque Plate	159	21MAR11A	01NOV11	117	90						
1205-0090B	Validation of Design - Legs	159	21MAR11A	01NOV11	117	90						
1205-0090C	Validation of Design - AI Blocks	159	21MAR11A	01NOV11	117	90						
1205-0090D	Validation of Design - Overall Upper Umbrell	159	21MAR11A	01NOV11	117	90						
1205-0091	Update CAD Models per Validation	179	21FEB11A	01NOV11	112	90						EA/SB
1205-0092	Revise Fabrication & Assembly Drawings per Valid	179	21FEB11A	01NOV11	112	90						EA/SB
1205-0093	Review, Check Drawings	4	02NOV11	07NOV11	112	0				EM/EM =30 ; EA/SB =22		
1205-0093A	Review, Check Drawings - Lid & Torque Plate	4	02NOV11	07NOV11	113	0						
1205-0093B	Review, Check Drawings - Legs	4	02NOV11	07NOV11	113	0						
1205-0093C	Review, Check Drawings - AI Blocks	4	02NOV11	07NOV11	113	0						
1205-0093D	Review, Check Drawings - Overall Upper Umbrell	4	02NOV11	07NOV11	113	0						
1205-0100	Prep Req & Procurement Package	10	08NOV11	21NOV11	112	0						
1205-0101	Submit Req to Procurement	1	21NOV11	21NOV11	112	0						
Job: 1206 - Pedestal -SMITH												
1206-0035	Review, Check, Drawings	19	16SEP11A	12OCT11	260	5				EM/EM =21 ; EA/SB =16 ;		
1206-0042	Prep Req & Procurement Package	10	13OCT11	26OCT11	260	0					EM/EM =32 ;	
1206-0043	Submit Req to Procurement	1	26OCT11	26OCT11	260	0						
Job: 1207 - Vessel Legs -SMITH												
1207-0032	Analysis & Validation of Design Complete	265	04OCT10A	24OCT11	145	98						EA/EM=8
1207-0032A	Analysis/Valid of Dsgn Compl-VV Supp Foot Reinf	265	04OCT10A	24OCT11	145	98						
1207-0032B	Analysis/Valid of Dsgn Compl-VV Supp Attch Reinf	38	30SEP11	22NOV11	187	0						
1207-0033	Update CAD Models per Validation	173	21FEB11A	24OCT11	145	98						EA/SB =03 ;
1207-0033A	Upd CAD Models per Valid -VV Support Foot Reinfo	265	04OCT10A	24OCT11	145	98						
1207-0033B	Upd CAD Models per Valid -VV Supp Attachmt Reinf	38	30SEP11	22NOV11	187	0						
1207-0034	Rev Fab & Assembly Drwns per Valid	173	21FEB11A	24OCT11	145	95						EA/SB =08 ;
1207-0034A	Rev Fab & Assembly Drwns -VV Support Foot Reinfo	265	04OCT10A	24OCT11	145	95						
1207-0034B	Rev Fab & Assembly Drwns-VV Supp Attachmt Reinf	38	30SEP11	22NOV11	187	0						
1207-0035	Review, Check Drawings	63*	25OCT11	31JAN12	145	0						
1207-0035A	Rev, Check Drwns-VV Support Foot Reinfo	63*	25OCT11	31JAN12	148	0						
1207-0035B	Rev, Check Drwns -VV Supp Attachmt Reinf	63*	25OCT11	31JAN12	148	0						
1207-0042	Prep Req & Procurement Package	3	01FEB12	03FEB12	145	0						
Job: 1304 - Inner TF Bundle (Ds/Fab)-CHRZANOWSKI												
1304-09491	Fixtures & Tooling -Designed & ordered	1	12OCT11*	12OCT11	90	0						41=\$50k
							3	10	17	24	31	
							OCT					NOV
							FY12					

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	Total Float	% Comp	FY12					
							OCT					NOV
							3	10	17	24	31	
1304-09492	Fixtures & Tooling -Complete	1	28NOV11*	28NOV11	60	0						
Job: 1305 - OHMIC Heating Coil (OH)-CHRZANOWSKI												
1304-3350	Spec-TF conductor stands- tube soldering	10	31OCT11*	11NOV11	6	0						
1304-3452	Bid/Award TF Conductor Stand for Insulating (TS)	30*	29SEP11A	09NOV11	59	0						
1304-3552	Bid/Award-TF Quadrant Mold	35*	23SEP11A	10NOV11	63	50						
1304-3602	Bid/Award TF Full Coil Mold	106*	12SEP11A	16FEB12	109	50						
1304-3804	Fab & Deliver Lift Beam for Conductor (TECH SHOP	95*	29AUG11A	19JAN12	104	5						
1304-3904	Fab & deliver Lift Beam for Coil (TECH SHOP)	93*	31AUG11A	19JAN12	76	5						
1305-0940	Bid & Award OH Conductor Fabrication (PF)	30	04OCT11*	14NOV11	88	0						
1305-1450	Design OH Mold (7)	30	20OCT11*	02DEC11	130	0			EA/SB =160			
1305-1550	Design Mold for OH-TF Castable Material (10)	51*	17OCT11*	05JAN12	112	0			EA/SB =60			
1305-2310	Bid/Award Winding Machine for OH	139*	30SEP11A	23APR12	65	0						
1305-2652	Fabricate Sanblast Unit Stand (TECH SHOP)	30	04OCT11*	14NOV11	103	0						
1305-2900	Spec-Insulation (fiberg tape, teflon and gnd p	29	19SEP11A	27OCT11	38	30						
1305-3002	Purchase Epoxy-CTD-425	30	14NOV11*	04JAN12	42	0						
1305-3200	G-10 Filler modifications	40	01NOV11*	05JAN12	86	0			11-1,000	EM/OT =150		
1305-3810	Bid/Award High & Low Temp Vac Tubing (VPI)	30	06JAN12	16FEB12	31	0						
Job: 1306 - Inner PF Coils-CHRZANOWSKI												
1306-2030	Bid/Award - Inner PF Conductor(OH)	20*	18OCT11	14NOV11	78	0						
1306-3020	Bid/Award Kapton/Glass Insulation	30	15NOV11	05JAN12	68	0						
1306-4010	DWGS Revision for SS Supp for PF1A/B Coils	20	30SEP11	27OCT11	50	0						
1306-5010	Generate SOW & Spec for Inner PF Coil Fab	15	01NOV11*	21NOV11	108	0						
Job: 1307 - CS Casing Assembly -CHRZANOWSKI												
1307-2050	Bid/Award Inconel Bellows	96*	26SEP11A	16FEB12	143	50						
1307-2250	Spec/Requisition CB SS Structure	20	03OCT11*	28OCT11	69	0						
Job: 2420 - 2nd NBI Sources-CROPPER												
24200100	Prep Requisition and procurement package	37*	10SEP11A	01NOV11	284	40					EE//SM	
24200110	SUBMIT REQ TO PROCUREMENT	32*	17SEP11A	01NOV11	284	40					EE//SM	
Job: 2425 - BL Relocation-DENAULT												
2425-0027	Prep Procurement Specs	69*	19SEP11A	03JAN12	186	5						
Job: 2440 - 2nd NBI Beamline-DENAULT												
2440-0003	Calorimeter parts	53*	26AUG11A	09NOV11	52	5						
2440-0004	Ion Dump parts	50*	31AUG11A	09NOV11	63	2						
2440-0011	Calorimeter TC wiring	30	14OCT11	28NOV11	52	0						
2440-0012	Ion Dump TC wiring	30	14OCT11	28NOV11	52	0						
2440-0028	Refurbish Ion Dump	206*	07FEB11A	28NOV11	52	37						
2440-0030	Refurbish Calorimeter	68*	22AUG11A	28NOV11	52	15						
Job: 2450 - 2nd NBI Services-DENAULT												
2450-0026	Prep Procurement Specs	194*	22AUG11A	31MAY12	139	5						
2450-0097	Legs (TECH SHOP)	64*	22AUG11A	18NOV11	573	2						
2450-0099	HVAC	99	03OCT11*	17FEB12	516	0						
Job: 2460 - 2nd NBI Armor-TRESEMER												
2460-0031	Prep Requisition & Procuremnt Pckg - Armor Tiles	30	25OCT11	07DEC11	209	0				EM//EM =48		
2460-0037	Prep Requisition & Procuremnt Pckg - Armor suppo	20*	19SEP11A	14OCT11	405	50				EM//EM =72		
2460-0038	Submit Request t/Proc - Armor Support	1	17OCT11	17OCT11	405	0				EM//EM =04		
2460-0039	Procurement Lead Time - Armor Support	25	18OCT11	21NOV11	405	0						
2460-0045	Procurement Lead Time - New Backing Plates	21*	19SEP11A	17OCT11	408	50						
2460-0054	Assembly Procedure Finalized	33	17OCT11*	02DEC11	414	0				EM//EM =72		
Job: 2475 - 2nd NBI Controls-CROPPER												
2475-0105	NBOS Station - Control System Layout	55*	01AUG11A	17OCT11	48	75					EE//SM =40	
							3	10	17	24	31	
							OCT					NOV
							FY12					

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	Total Float	% Comp	FY12				
							OCT				NOV
							3	10	17	24	31
2475-0116	Prep Requisition and procurement package	35*	19SEP11A	04NOV11	48	50					
2475-0117	SUBMIT REQ TO PROCUREMENT	31*	26SEP11A	07NOV11	48	50					
2475-0118	Procurement lead time (1)	46*	26SEP11A	30NOV11	2,540	50					
Job: 2480 - 2nd NBI/TVPS Duct & VV-DENAULT											
2480-0059	Prep Req & Procuremnt Pckg - Vessel Cap & Port E	8	02NOV11*	11NOV11	173	0				EM//EM =64	
2480-0064	Prep Req & Procuremnt Pckg - Spool Piece	5	02NOV11*	08NOV11	278	0				EM//EM =30	
2480-0072	Prep Req & Procuremnt Pckg-Raw Material f/Duct	3	02NOV11*	04NOV11	288	0				EM//EM =08	
Job: 2485 - Vacuum Pumping System-BLANCHARD											
2485-0040	Prep Req & proc pckg - Misc Mtrl/Comp for Ducts	87*	06SEP11A	16JAN12	15	50					
2485-0041	SUBMIT REQ TO PROC - Misc Mtrl/Comp for Ducts	102*	15SEP11A	15FEB12	15	50					
2485-0042	Procurement lead time (1) - Mtrl/Comp for Duct	123*	15SEP11A	15MAR12	15	50					
2485-0043	AWARD - Misc Mtrl/Comp for Ducts	145*	15SEP11A	16APR12	15	50					
2485-0044	Fabricate or delivery - Misc Mtrl/Comp for Ducts	545*	26SEP11A	02DEC13	15	25					
Job: 2490 - NTC Equipt Relocations-PERRY											
24910019	BEGIN REMOVALS	0		17OCT11	132	0					
24911720	Fab 5 sections of Platform EI 118' W Side NTC	30*	19SEP11A	28OCT11	118	50					
24911730	instl 5 sections of Platform EI 118' W Side NTC	5	31OCT11	04NOV11	118	0				EM//EM=40; EM//TB=80;M&S=4,000	
24910000D	Field Power Shutdown	1	17OCT11*	17OCT11	132	0					
Job: 3200 - Water Cooling System Mods-DENAULT											
3200-0025	Final Design-Prep Procurement Specs	55*	01AUG11A	17OCT11	58	5				EM//EM =40	
Job: 4100 - Center Stack Diagnostics-KAITA											
4100-0032	Wire/Cables-Prep Requisition and procurement pac	15	03OCT11*	21OCT11	39	0				EE//EM =40 ; EE//SM =40 EM//ST =40 ; EM//EM =80	
4100-0038	Coils w/mandrels -Prep Requisition & procurement	15	03OCT11*	21OCT11	39	0				EE//EM =10 ; EM//ST =20 EE//SM =40 ; EM//EM =80	
Job: 4500 - MPTS VV Modification-LABIK											
MPTS-0028A	CONDUCT FDR MPTS VV interface	18	21OCT11	15NOV11	340	0				EM//EM =20 ; EA//SB =30 R//RM =10 ;	
MPTS-0033	Bay L Port Cover (CAP) Diagnostic Components	107*	15AUG11A	23JAN12	378	20					
MPTS-0036	Tooling	305*	15AUG11A	30OCT12	378	5					
Job: 5000 - CSU Power Systems-RAKI											
531-021	531- FCPC DC Systems -Procure OH Reactors	195	07NOV11*	17AUG12	136	0					
Job: 5200 - Digital Coil Protection-HATCHER											
28	Systems Code - A	120	08NOV11*	03MAY12	201	0					
30	DCPS Algorithms	120	08NOV11*	03MAY12	201	0					
Job: 6100 - Control Sys Data Acquisition -SICHTA											
6100-0050	CAMAC Memory module	51*	15AUG11A	25OCT11	500	80				41=11,000 ; EC//EM EC//SB =24 ; 43=5	
6100-0065	CAMAC Memory module fab.	60	26OCT11	27JAN12	520	0				41=5,000 ; EC//EM =16 ; EC//SB =40 ; EE//EM =40 ;	
Job: 8200 - Field Supervision & Oversight-PERRY											
8200-0005A	Work Planning	62	03OCT11*	06JAN12	381	0					
Job: 8210 - CS & Coil Sprt Struct Instal - PERRY											
8200-0026	Perform bay by bay catalogue and label Elect	20	03OCT11*	28OCT11	2,522	0				EM//SM =96	
8200-0027	Perform bay by bay catalogue and label Mech	20	03OCT11*	28OCT11	2,522	0				EM//SM =96	
8200-0028B	Dsgn/Fab TF Coil Handling Fixture	20	03OCT11*	28OCT11	2,522	0				EA//SB=150;EM	
8200-0028C	Dsgn/Fab Umbrella Handling Fixture	20	31OCT11	29NOV11	2,522	0				EA//SB=150;EM//SM=480;M&S=30K	
8200-0029	Remove RF pipes	10	06OCT11*	19OCT11	199	0				EM//ST Miller=800	
8200-0029A	Blow Out Hoses	1	03OCT11*	03OCT11	208	0				EM//ST Miller=100	
8200-0029B	Lower Hoses Relocate	3	04OCT11	06OCT11	208	0				EM//ST Miller=200;M&S=5k	
8200-0030	Write Electrical Cable Tray Removal/Instl Proc.	75*	12SEP11A	04JAN12	152	70					
8200-0044C	Remove LLD Cables & Racks	43*	03JAN12*	01MAR12	442	0					
Job: 8250 - Remove/Install Centerstack-PERRY											
8250-101	Disconnect Hoses	1	04OCT11	04OCT11	327	0				EM//ST =32 ; EM//SM =08 ;	
8250-105	Remove umbrella lid (top and bottom)	1	05OCT11	05OCT11	326	0				EM//ST =32 ; EM//SM =08 ;	
							3	10	17	24	31
							OCT				NOV
							FY12				

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							OCT					NOV
							3	10	17	24	31	
8250-109	Remove flex bus (top and bottom)	6	06OCT11	13OCT11	326	0						
8250-113	Support lower support structure	4	02NOV11*	07NOV11	313	0			EM//ST =288 ; EM//SM =48 ;			
8250-117	lift old centerstack	2	08NOV11	09NOV11	313	0			EM//ST =192 ; EM//SM =32 ;			
8250-121	Remove old centerstack pedestal	5	10NOV11	16NOV11	313	0						
8250-123	Dsgn Lift Fixture for new centerstack pedestal	97	03OCT11*	24FEB12	334	0						

3	10	17	24	31	
OCT					NOV
FY12					