

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	Total Float	% Comp	FY12											
							N	DEC					JAN					F
							28	5	12	19	26	2	9	16	23	30		
NSTX Upgrade Project																		
Critical Decisions																		
CD3A	Receive CD-3 Approval	0		19DEC11	69	0												
Level 2 Milestones																		
1090	Award Neutral Beam (NB) Vessel Cap	0		21FEB12	136	0												
Level 3 Milestones																		
1025	Award CS PFC Tiles	0		24FEB12	7	0												
1052	Award CS Casing	0		16FEB12	118	0												
1110	Award NB Rectangular Bellows Section	0		01DEC11	552	0												
1120	Complete Diagnostics Removals	0		23FEB12	139	0												
Job: 1001 - CS Plasma Facing Components-TRESEMER																		
Final Design																		
1001-0045C	IBD as Mock Up	97	15AUG11A	09JAN12	7	50												
Procurement																		
1001-0065	Award - Tiles (ATJ)	1	27FEB12	27FEB12	7	0												
Job: 1002 -Passive Plate Analysis &Upgrade-TITUS																		
Final Design																		
1002-0017	Add Halo Loads	388	02JUN10A	16DEC11	64	90												
Job: 1201 - Outer TF Structures-SMITH																		
Final Design																		
1201-0032	Validation of Design Complete	199	21FEB11A	01DEC11	11	98												
1201-0033	Update CAD Models per Validation	204	21FEB11A	08DEC11	11	98												
1201-0034	Revise Fabrication & Assembly Drawings per Valid	164	18APR11A	08DEC11	11	98												
1201-0035	Review, Check Drawings	57	19SEP11A	08DEC11	98	25												
Procurement																		
1201-0042	Prep Req & Procurement Package	10	09DEC11	22DEC11	98	0												
1201-0043	Submit Req to Procurement	1	22DEC11	22DEC11	98	0												
1201-0044	Procurement Processing	22	22DEC11	30JAN12	98	0												
Job: 1202 - Outer PF2 Coil Structures-SMITH																		
Procurement																		
1202-0042	Prep Req & Procurement Package	12	23NOV11A	12DEC11	200	50												
1202-0043	Submit Req to Procurement	1	12DEC11	12DEC11	200	0												
1202-0044	Procurement Processing	22	12DEC11	18JAN12	200	0												
1202-0045	Submit for Vendor Quotes	1	19JAN12	19JAN12	200	0												
1202-0046	Eval Quotes	43	19JAN12	19MAR12	200	0												
Job: 1203 - PF3 Support.-SMITH																		
Procurement																		
1203-0044	Procurement Processing	25	07DEC11	18JAN12	177	0												
1203-0045	Submit for Vendor Quotes	1	19JAN12	19JAN12	177	0												
1203-0046	Eval Quotes	43	19JAN12	19MAR12	177	0												
Job: 1204 - PF4/5 Leads & Radial Supports-SMITH																		
Final Design																		
1204-0032	Analysis & Validation of Design Complete	293	04OCT10A	05DEC11	166	97												
1204-0033	Update CAD Models per Validation	209	21FEB11A	15DEC11	166	97												
1204-0034	Revise Fabrication & Assembly Drawings per Valid	209	21FEB11A	15DEC11	166	97												
1204-0035	Review, Check Drawings	1	16DEC11	16DEC11	166	0												

FY12											
N	DEC					JAN					F
28	5	12	19	26	2	9	16	23	30		

Data Date: 30NOV11
Run Date: 14DEC11 11:19

1112 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
- FORECAST
- Progress Bar
- Critical Activity

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	Total Float	% Comp	FY12											
							N	DEC					JAN		F			
							28	5	12	19	26	2	9	16	23	30		
Job: 1205 - Umbrella-SMITH																		
Final Design																		
1205-0029	Final design Analysis (LOWER)	327	16AUG10A	05DEC11	11	99												
1205-0029B	Final design Analysis - Legs	326	17AUG10A	05DEC11	11	99												
1205-0029C	Final design Analysis - AI Blocks	326	17AUG10A	05DEC11	11	99												
1205-0029D	Final design Analysis - Overall Lower Umbrell	326	17AUG10A	05DEC11	11	99												
1205-0032	Validation of Design Complete	189	21MAR11A	15DEC11	159	99												
1205-0034	Rev Fabrication & Assembly Dwgs per Valid(LOWER)	201	21FEB11A	05DEC11	159	99												
1205-0035	Review, Check Drawings (LOWER)	29	24OCT11A	05DEC11	175	40												
1205-0087	Final Design Analysis (UPPER)	326	17AUG10A	05DEC11	11	99												
1205-0090	Validation of Design Complete (UPPER)	201	21FEB11A	05DEC11	162	99												
1205-0092	Rev Fabrication & Assembly Dwgs per Valid(UPPER)	201	21FEB11A	05DEC11	162	99												
1205-0093	Review, Check Drawings (UPPER)	34	24OCT11A	12DEC11	162	40												
Procurement																		
1205-0042	Prep Req & Procurement Package	10	03JAN12	16JAN12	161	0												
1205-0043	Submit Req to Procurement	1	18JAN12	18JAN12	159	0												
1205-0044	Procurement Processing	22	18JAN12	16FEB12	159	0												
1205-0101	Submit Req to Procurement - UPPER	1	18JAN12	18JAN12	163	0												
1205-0102	Procurement Processing	22	19JAN12	17FEB12	162	0												
Job: 1206 - Pedestal -SMITH																		
Final Design																		
1206-0035	Review, Check, Drawings	72	16SEP11A	05JAN12	207	40												
Job: 1207 - Vessel Legs -SMITH																		
Final Design																		
1207-0033	Update CAD Models per Validation	213	21FEB11A	21DEC11	11	99												
1207-0035	Review, Check Drawings	63	25OCT11A	31JAN12	113	70												
Job: 1208 - PF4&5 Verticle Support-SMITH																		
Final Design																		
1208-0035	Review, Check Drawings PF4/5 SUPPORT	44	24OCT11A	03JAN12	195	50												
Job: 1301 - Outer TF Coils-CHRZANOWSKI																		
Procurement																		
1301-0010	Revise Outer TF Coil (OTF) Drawings	20	16DEC11*	20JAN12	79	0												
Job: 1304 - Inner TF Bundle (Ds/Fab)-CHRZANOWSKI																		
Procurement																		
1304-09492	Fixtures & Tooling -Complete	45	21NOV11A	01FEB12	20	25												
1304-1122	Bid/Award Flex Bus Fabrication	30	09JAN12	17FEB12	131	0												
1304-1212	Bid/Award Up/Lwr OH to TF Supp Struct	30	02DEC11*	20JAN12	258	0												
Job: 1305 - OHMIC Heating Coil (OH)-CHRZANOWSKI																		
Procurement																		
1304-3350	Spec-TF conductor stands- tube soldering	10	09JAN12	20JAN12	34	0												
1304-3352	Bid/Award TF Conductor Stands for Soldering	30	23JAN12	02MAR12	50	0												
1304-3552	Bid/Award-TF Quadrant Mold	55	23SEP11A	16DEC11	39	50												
1304-3554	Fab & Deliver TF Quadrant Mold	60	19DEC11	19MAR12	39	0												
1304-3602	Bid/Award TF Full Coil Mold	92	12SEP11A	16JAN12	123	50												
1304-3604	Fab & Deliver Full TF Coil Mold	69	17JAN12	20APR12	123	0												
1304-3702	Bid/Award VPI Delivery System	30	10JAN12	20FEB12	9	0												
1305-0950	Manufacture OH Copper Conductor	70	05DEC11*	19MAR12	170	0												
1305-1904	Fab & Deliver Taping Machines	60	14DEC11*	14MAR12	69	0												
1305-2210	Bid/Award Braze Fixture for Work Coil	30	31JAN12	12MAR12	115	0												
1305-2320	Fab & Deliver Winding Machine for OH	176*	02DEC11*	15AUG12	65	0												
1305-2410	Bid/Award Mold for OH-TF Spacer	15	06DEC11	03JAN12	164	0												
1305-2610	Bid/Award OH Mold	30	31JAN12	12MAR12	95	0												
1305-2902	Bid/Award - Insulation (OH/PF)	30	07NOV11A	22DEC11	30	50												
1305-3002	Purchase Epoxy-CTD-425(SUBMITTED REQ 11/30)	30	09JAN12	17FEB12	10	0												
							28	5	12	19	26	2	9	16	23	30		
							N	DEC					JAN		F			
							FY12											

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							N	DEC					JAN		F							
							28	5	12	19	26	2	9	16	23	30						
Fabrication / Assembly																						
1304-1309A	OH Autopsy	0		12DEC11*	57	0																
1305-4030	Setup Winding Area	40	01DEC11*	02FEB12	3	0																
1305-4050	Setup Winding Equipment	40	03FEB12	29MAR12	3	0																
Job: 1306 - Inner PF Coils-CHRZANOWSKI																						
Final Design																						
1306-1010	Complete Inner PF Coil Analysis Pete T.	302	04OCT10A	16DEC11	69	80																
1306-1020	PF Lead & Flag Analysis Pete T.	347	30JUL10A	16DEC11	69	85																
1306-1030	Fatigue Assessment & DCPS Pete T.	210	21FEB11A	16DEC11	69	90																
1306-1040	Calculation Write/Check/File Pete T.	139	01JUN11A	16DEC11	69	75																
Procurement																						
1306-2050	Fab & Deliver Inner PF Conductor	70	02DEC11	16MAR12	67	0																
1306-3020	Bid/Award Kapton/Glass Insulation	30	23DEC11	10FEB12	42	0																
1306-4010	DWGS Revision for SS Supp for PF1A/B Coils	53	30SEP11A	15DEC11	17	50																
1306-4020	Bid/Award SS Supp for PF1A/B	30	16DEC11	03FEB12	17	0																
1306-5010	Generate SOW & Spec for Inner PF Coil Fab	15	19MAR12	06APR12	17	0																
Job: 1307 - CS Casing Assembly -CHRZANOWSKI																						
Final Design																						
1307-1020	Compl Bellow & Ceramic Break Analysis Pete T.	371	24JUN10A	15DEC11	11	85																
1307-1030	Complete Halo Loading Pete T.	356	16JUL10A	15DEC11	11	85																
1307-1050	Integrate Thermal, Halo, Dsir Loads into Calcs P	301	04OCT10A	15DEC11	11	82																
Procurement																						
1307-2020	Bid/Award CS Casing Contract	30	06JAN12*	16FEB12	118	0																
1307-2050	Bid/Award Inconel Bellows	91	03OCT11A	08DEC11	141	90																
1307-2150	Fab & Deliver CS Casing Support Structure	80	21NOV11A	23MAR12	273	10																
1307-2170	Bid/Award Weld Material	30	31JAN12	12MAR12	191	0																
1307-2200	Bid/Award Misc M&S	30	31JAN12	12MAR12	191	0																
1307-2260	Bid/Award CB SS Structure	20	20DEC11	24JAN12	45	0																
1307-2270	Fab & Deliver CB SS Structure	60	25JAN12	17APR12	45	0																
Fabrication / Assembly																						
1307-2340	Design Stud Installation Fixture	20	03JAN12*	30JAN12	292	0																
Job: 2300 - Other Analysis-TITUS																						
Final Design																						
2300-0015	Check/Complete Disruption and Thermal Analyses	325	01SEP10A	19DEC11	381	90																
Job: 2425 - BL Relocation-DENAULT																						
Final Design																						
2425-0027	Prep Procurement Specs	69	19SEP11A	03JAN12	88	15																
Job: 2440 - 2nd NBI Beamline-DENAULT																						
Procurement																						
2440-0003	Calorimeter parts	88	26AUG11A	09JAN12	100	90																
2440-0004	Ion Dump parts	108	31AUG11A	13FEB12	63	30																
Refurbishment																						
2440-0011	Calorimeter TC wiring	30	15DEC11	02FEB12	100	0																
2440-0022	Refurbish 90 inch flange and neutralizer	208	06SEP11A	05JUL12	92	45																
2440-0028	Refurbish Ion Dump	248	07FEB11A	06FEB12	68	50																
2440-0030	Refurbish Calorimeter	110	22AUG11A	06FEB12	98	20																
Job: 2450 - 2nd NBI Services-DENAULT																						
Final Design																						
2450-0026	Prep Procurement Specs	194	22AUG11A	31MAY12	160	5																
Installation																						
2450-0097	FAB/ASSEMBLY Legs (TECH SHOP)	99	22AUG11A	20JAN12	536	75																

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							N	DEC					JAN					F	
							28	5	12	19	26	2	9	16	23	30			
Job: 2460 - 2nd NBI Armor-TRESEMER																			
Procurement																			
2460-0034	Award - Armor Tiles	1	27FEB12	27FEB12	199	0													
2460-0041	Fabricate / Delivery - Armor Support	36*	01DEC11*	27JAN12	425	0													
2460-0047	Delivery - New Backing Plates	24	08NOV11A	13DEC11	390	50													
Fabrication / Assembly																			
2460-0050	Assemble Armor Quad #1	7	12JAN12	20JAN12	390	0													
2460-0054	Assembly Procedure Finalized	33	17OCT11A	06DEC11	412	50													
2460-0057	In Vessel Work Remove Armor	20	07DEC11	11JAN12	412	0													
Job: 2475 - 2nd NBI Controls-CROPPER																			
Procurement																			
2475-0120	Fabricate or delivery--NBI-Controls & Instrument	103	26SEP11A	27FEB12	70	45													
Installation																			
2475-0128	Rack relocation - Fab/Assembly	47	17OCT11A	22DEC11	161	75													
2475-0130	Disconnect remote control	107	24OCT11A	30MAR12	101	40													
2475-0139	LCC Remote - Installation	191	26SEP11A	29JUN12	269	12													
Job: 2480 - 2nd NBI/TVPS Duct & VV-DENAULT																			
Procurement																			
2480-0058	PPPL Fabr Rectang Bellows (previously ops spare)	229	02MAY11A	30MAR12	330	60													
2480-0060	Submit Req to Procurement - Vessel Cap & Port Ex	1	16JAN12	16JAN12	136	0													
2480-0065	Submit Req to Procurement - Spool Piece	1	11JAN12	11JAN12	241	0													
Installation																			
2480-0082	Remove Bay-K Nozzle	8	23JAN12	01FEB12	300	0													
Job: 2485 - Vacuum Pumping System-BLANCHARD																			
Procurement																			
2485-0044	Fabricate or delivery - Misc Mtrl/Comp for Ducts	545	26SEP11A	04DEC13	13	50													
Job: 2490 - NTC Equipt Relocations-PERRY																			
Installation																			
24910170	Remove rack 440 - SPRED and VIPS	12	05JAN12	20JAN12	139	0													
24910220	Remove rack 441-445 - VV ion gages, RGA	15	23JAN12	10FEB12	139	0													
24910690	Moving equipment In & Out of NTC	44	18OCT11A	20DEC11	939	50													
24911400	Remove Bay L pump duct-RGA	104	24OCT11A	27MAR12	187	5													
24911730	instl 5 sections of Platform EI 118' W Side NTC	42	19OCT11A	20JAN12	157	60													
24911890	Remove Misc. EQ - Cat 3 & Cat 4 Bus	127	24OCT11A	27APR12	195	60													
24911910	Remove Misc. EQ-Lights/E-stops/Fire Alarm	120	21NOV11A	16MAY12	195	10													
Job: 4100 - Center Stack Diagnostics-KAITA																			
Procurement																			
4100-0035	Wire/Cables-AWARD	1	25JAN12	25JAN12	10	0													
4100-0041	Coils w/mandrels - AWARD	1	25JAN12	25JAN12	10	0													
Job: 5000 - CSU Power Systems-RAKI																			
Procurement																			
531-020A	531.1- Test PLT Toroidal Field coils	0		30MAR12*	343	0													
531-021	531.1- FCPC DC Systems -Procure OH Reactors	135	16DEC11	02JUL12	278	0													
Installation																			
531-510	531- 5 Transition Area Cabling - Iss Subcontrac	105	28JUL11A	02APR12	445	10													
Job: 5200 - Digital Coil Protection-HATCHER																			
Final Design																			
28	Systems Code - A	119	01NOV11A	25APR12	207	5													
Job: 6100 - Control Sys Data Acquisition -SICHTA																			
Fabrication / Assembly																			
6100-0065	CAMAC Memory module fab.	29	26OCT11A	07DEC11	551	80													
Job: 8200 - CS & Coil Sprt Struct Instal - PERRY																			
Installation																			
8200-0017A	Two Welding Machine for the NTC	616	31JAN12	18JUL14	300	0													

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							N	DEC						JAN						F		
							28	5	12	19	26	2	9	16	23	30						
8200-0026	Perform bay by bay catalogue and label Elect	43	17OCT11A	16DEC11	58	75	[Gantt bar from 17OCT11A to 16DEC11]															
8200-0026A	Perform bay by bay cable removal	43	17OCT11A	16DEC11	64	75	[Gantt bar from 17OCT11A to 16DEC11]															
8200-0026B	Perform bay by bay CAD Support	209	17OCT11A	16AUG12	754	2	[Gantt bar from 17OCT11A to 16AUG12]															
8200-0026C	Gen Arrangement Dwgs Input to CAD Group	190*	14DEC11	17SEP12	754	0	[Gantt bar from 14DEC11 to 17SEP12]															
8200-0032	Upper Tray remove and store Elect	29	08NOV11A	20DEC11	252	75	[Gantt bar from 08NOV11A to 20DEC11]															
8200-0033	Remove and store Midplane Mech	110	01NOV11A	12APR12	177	75	[Gantt bar from 01NOV11A to 12APR12]															
8200-0034	Remove and store Upper port eqpt	29	01NOV11A	13DEC11	408	75	[Gantt bar from 01NOV11A to 13DEC11]															
8200-0034B	Lower Cat 2 Tray Remove & Store Elect	71	16NOV11A	02APR12	134	10	[Gantt bar from 16NOV11A to 02APR12]															
8200-0034D	Remove and store lower port eqpt	39	01NOV11A	04JAN12	408	75	[Gantt bar from 01NOV11A to 04JAN12]															
8200-0043	Clear Bay G platform & area to remove bad TF	81	16NOV11A	19MAR12	134	25	[Gantt bar from 16NOV11A to 19MAR12]															
8200-0102C	Add Welding Between TF Clevis & VV	52	31JAN12	11APR12	300	0	[Gantt bar from 31JAN12 to 11APR12]															
8200-0102D	Add O-Ring Groove to VV Top for CS Flange	5	07DEC11	13DEC11	418	0	[Gantt bar from 07DEC11 to 13DEC11]															
Job: 8250 - Remove/Install Centerstack-PERRY																						
Installation																						
8250-121	Remove old centerstack pedestal	1	02MAR12	02MAR12	229	0	[Gantt bar from 02MAR12 to 02MAR12]															
8250-122	Purchase passive plate bolts and washers	78	09DEC11	04APR12	321	0	[Gantt bar from 09DEC11 to 04APR12]															
8250-123	Dsgn Lift Fixture for new centerstack pedestal	97	09DEC11	01MAY12	287	0	[Gantt bar from 09DEC11 to 01MAY12]															

FY12															
N	DEC						JAN						F		
28	5	12	19	26	2	9	16	23	30						