

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Perc. Compl.	FY10											
							SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
NSTXU CD-2 Update Aug2010																		
1.1 Torus Systems																		
Job: 1000 - CSU Analytical Support-TITUS																		
1000-0011	Maintain Global model with updated design concep	180*	01JUL10A	23MAR11	23MAR11	10	EA//EM =100 ;											
1000-0012	Maintain updated 96 Scenarios	162*	01JUL10A	25FEB11	23MAR11	10	EA//EM =100 ;											
1000-0013	Generic Tile Qualification Program	162*	01JUL10A	25FEB11	23MAR11	10	EA//EM =200 ;											
1000-0014	Maintain Disruption Scenarios	162*	01JUL10A	25FEB11	23MAR11	10	EA//EM =100 ;											
1000-0015	Develop List of in-service Inspection Areas	162*	01JUL10A	25FEB11	23MAR11	10	EA//EM =100 ;											
1000-0016	Dynamic Response to Normal Loads PF4/5/TF/TF OOP	162*	01JUL10A	25FEB11	23MAR11	10	EA//EM =100 ;											
1000-0017	Fault, FMEA analyses	162*	01JUL10A	25FEB11	23MAR11	10	EA//EM =100 ;											
Job: 1001 - CS Plasma Facing Components-TRESEMER																		
Design																		
1001-0039	Disruption Forces - Final Tile Analysis	40*	12AUG10A	07OCT10	07OCT10	10	EM//EM =20 ; EA//ES =40 ; EA//EM =280 ;											
1001-0040	Thermal system - Final Tile Analysis	15	08OCT10	28OCT10	28OCT10		EM//EM =10 ; EA//es =80 ;											
1001-0041	Fastener Scheme - Final Tile Analysis	10	15OCT10	28OCT10	28OCT10		EM//EM =32 ; EA//es =64 ;											
Job: 1002 -Passive Plate Analysis &Upgrade-TITUS																		
1002-0015	Check/Correct Vector Potential Solution	200*	02JUN10A	22MAR11	22MAR11	10	EA//EM =80 ;											
1002-0016	Run Disruption files based on lower background F	200*	02JUN10A	22MAR11	22MAR11	10	EA//EM =60 ;											
1002-0017	Add Halo Loads	200*	02JUN10A	22MAR11	22MAR11	10	EA//EM =40 ;											
1002-0018	Complete Bolting and Bracket Evaluation	200*	02JUN10A	22MAR11	22MAR11	10	EA//EM =20 ;											
1002-0019	Monitor fiberoptic Disruption Instrumentation	200*	02JUN10A	22MAR11	22MAR11	10	EA//EM =40 ;											
1002-0020	Fatigue Assessment	200*	02JUN10A	22MAR11	22MAR11	10	EA//EM =40 ;											
1002-0021	Input to the DCPS	200*	02JUN10A	22MAR11	22MAR11	10	EA//EM =40 ;											
1002-0025	Procure 100 718 bolts	200*	02JUN10A	22MAR11	22MAR11	10	EA//EM =20 ;											
1002-0029	Bracket re-work, in-house	200*	02JUN10A	22MAR11	22MAR11	10	EA//EM =20 ;											
1002-0030	Drawing Update	200*	02JUN10A	22MAR11	22MAR11	10	EA//EM =40 ;											
Job: 1201 - Outer TF Structures-SMITH																		
1201-0031	Final Design Analysis	92*	17AUG10A	04JAN11	01MAR11	10	EA//EM =404 ;											
1201-0032	Validation of Design Complete	10	23FEB11	08MAR11	02MAR11		EA//EM =30											
Job: 1202 - Outer PF2 Coil Structures-SMITH																		
1202-0032	Validation of Design Complete	20	05JAN11	01FEB11	06JAN11		EA//SB =02 ; EA//EM =											
Job: 1203 - PF3 Support-SMITH																		
1203-0032	Validation of Design Complete	20	05JAN11	01FEB11	28FEB11		EA//SB =02 ; EA//EM =											
Job: 1204 - PF4/5 Leads & Radial Supports-SMITH																		
1204-0032	Validation of Design Complete	20	05JAN11	01FEB11	14FEB11		EA//EM =24 ;											
Job: 1205 - Umbrella-SMITH																		
Lower Umbrella																		
1205-0029	Final design Analysis	93*	16AUG10A	04JAN11	17NOV10		Ea//EM =180 ; EA//SB =00											
1205-0032	Validation of Design Complete	10	23FEB11	08MAR11	02MAR11		EA//EM =15 ;											
Upper Umbrella																		
1205-0087	Final Design Analysis	92*	17AUG10A	04JAN11	17NOV10		EA//EM =180 ; EA//SB =0											
1205-0090	Validation of Design Complete	10	23FEB11	08MAR11	02MAR11		EA//EM =15 ; EA											

Data Date 01SEP10
Run Date 05OCT10 13:40

RS09

NSTX UPGRADES
EA Analysis near term schedule

Sheet 1 of 2

Forecast Schedule
Progress Bar
Critical Activity

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Perc. Compl.	FY10													
							SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Job: 1206 - Pedestal -SMITH																				
1206-0029	Final Design Analysis	92*	17AUG10A	04JAN11	23SEP10		EM/EM =00 ; EA/EM =60													
1206-0032	Validation of Design Complete	10	23FEB11	08MAR11	14FEB11		EA/EM =30													
Job: 1207 - Vessel Legs -SMITH																				
1207-0032	Validation of Design Complete	20	05JAN11	01FEB11	14FEB11		Ea/EM=8													
Job: 1208 - PF4&5 Verticle Support-SMITH																				
1208-0029	Final Design Analysis	93*	16AUG10A	04JAN11	23SEP10		EA/EM =200 ; EA/SB =0													
1208-0032	Validation of Design Complete	10	09MAR11	22MAR11	14FEB11		EA/EM=30													
Job: 1304 - Inner TF Bundle (Ds/Fab)-CHRZANOWSKI																				
Inner TF Bundl;e Design																				
1304-0150	Maintain input to Willards Flex Model	61*	24JUN10A	20SEP10	26AUG10	50	EA/EM =40 ;													
1304-0190	Analyze Pins & Crown	80*	24JUN10A	15OCT10	15OCT10	20	EA/EM =200 ;													
1304-0210	Pedestal/Lower Skirt/TF Teeth Analysis	104*	02AUG10A	05JAN11	05JAN11	50	EA/EM =200 ;													
1304-0220	Finish Torque for Upper Teeth & Covers Post Proc	124*	02AUG10A	02FEB11	02FEB11	50	EA/EM =40 ;													
1304-0230	DCPS Input	160*	24JUN10A	16FEB11	16FEB11	10	EA/EM =100 ;													
Job: 1305 - OHMIC Heating Coil (OH)-CHRZANOWSKI																				
Design																				
1305-0120	Analyze Coax Lead Box	25*	30JUL10A	02SEP10	02SEP10	10	EA/EM =100 ;													
1305-0140	Fatigue Assessment	29*	02AUG10A	10SEP10	10SEP10	50	EA/EM =20 ;													
1305-0180	Calculation Write/Check & File	15	27SEP10	15OCT10	15OCT10		EA/EM =60 ; EA/EM =40 ;													
Job: 1306 - Inner PF Coils-CHRZANOWSKI																				
1306-1010	Complete Inner PF Coil Analysis	25	01SEP10	06OCT10	29JUL10		EA/EC =100 ;													
1306-1020	PF Lead & Flag Analysis	44*	30JUL10A	30SEP10	19AUG10	50	EA/EC =60 ;													
1306-1030	Fatigue Assessment & DCPS	15	01OCT10	21OCT10	10SEP10		EA/EC =60 ;													
1306-1040	Calculation Write/Check/File	15	22OCT10	11NOV10	01OCT10		EA/EC =60 ;													
Job: 1307 - CS Casing Assembly -CHRZANOWSKI																				
1307-1020	Complete Bellow & Ceramic Break Analysis	65*	24JUN10A	24SEP10	15JUL10	50	EA/EM =60 ;													
1307-1030	Complete Halo Loading	50*	16JUL10A	24SEP10	12AUG10	90	EA/EM =80 ;													
1307-1040	Complete-Maintain Heat Balance Cooling Calcs	20*	13AUG10A	10SEP10	10SEP10	10	EA/EM =80 ;													
1307-1050	Integrate Thermal, Halo, Dsir Loads into Calcs	20	13SEP10	08OCT10	08OCT10		EA/EM =80 ;													
1307-1060	Fatigue Assessments	5	11OCT10	15OCT10	15OCT10		EA/EM =20 ;													
Job: 5501 - Coil Bus Runs-SMITH																				
Design																				
1305-0160	OH Bus Bar Analysis(xfer from j. Chrzanowski)	39*	02AUG10A	24SEP10	24SEP10	50	EA/EM =40 ;													
Inner TF Bundl;e Design																				
1304-0120	Analyze TF Bus Bar (xfer from j. Chrzanowski)	17	01SEP10	24SEP10	19JUL10		EA/EM =100 ;													
1.2 Plasma Heating																				
Job: 2300 - ECH Analysis-TITUS																				
2300-0015	Check/Complete Disruption and Thermal Analyses	121*	01SEP10A	01MAR11	01MAR11	5	EA/EM =100 ;													
1.4 Plasma Diagnostics																				
Job: 4500 - MPTS VV Modification																				
Design																				
MPTS-0009	Stress Analysis	104	01SEP10	04FEB11	14JAN11		EM/EM =40 ; EA/EM R//RM =20 ;													
MPTS-0013	Analysis	15	19NOV10	13DEC10	22SEP10		EM/EM =10 ; EA/EM =80 ; R//RM =10 ;													
Row	Group Name																			
1	EA--ENGR						1111	680	469	420	391	248	138							
							SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
							FY10													
							FY11													