

CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE													FORM APPROVED OMB No. 0704-0188				
DOLLARS IN Thousands of \$																	
1. CONTRACTOR				2. CONTRACT				3. PROGRAM				4. REPORT PERIOD					
a. NAME Princeton University-Plasma Physics Lab				a. NAME DOE-SC-OFES-NSTX Upgrade				a. NAME NSTX Upgrade Project				a. FROM (YYYYMMDD) 2012 / 04 / 01					
b. LOCATION (Address and ZIP Code) Princeton, New Jersey				b. NUMBER DE-AC02-09CH11466				b. PHASE CD-3				b. TO (YYYYMMDD) 2012 / 04 / 30					
				c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE NO YES X (YYYYMMDD) 2011 / 12 / 20									
5. CONTRACT DATA																	
a. QUANTITY 1		b. NEGOTIATED COST 79,112		c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 0		d. TARGET PROFIT/FEE 0		e. TARGET PRICE 79,112		f. ESTIMATED PRICE 0		g. CONTRACT CEILING 0		h. ESTIMATED CONTRACT CEILING 0		i. DATE OF OTB/OTS (YYYYMMDD)	
6. ESTIMATED COST AT COMPLETION								7. AUTHORIZED CONTRACTOR REPRESENTATIVE									
		MANAGEMENT ESTIMATE AT COMPLETION (1)		CONTRACT BUDGET BASE (2)		VARIANCE (3)		a. NAME (Last, First, Middle Initial) Ronald Strykowski				b. TITLE Project Manager					
a. BEST CASE		0						c. SIGNATURE				d. DATE SIGNED (YYYYMMDD)					
b. WORST CASE		0															
c. MOST LIKELY		0		79,112		79,112											
8. PERFORMANCE DATA																	
WBS[2]		CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
		BUDGETED COST		ACTUAL COST	VARIANCE		BUDGETED COST		ACTUAL COST	VARIANCE							
ITEM (1)		WORK SCHEDULED (2)	WORK PERFORMED (3)	WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	WORK PERFORMED (9)	SCHEDULE (10)	COST (11)	COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
1.1 Torus Systems		320	542	597	222	-56	10,412	10,975	12,115	563	-1,140	0	0	0	19,791	21,514	-1,722
1.2 Plasma Heating and Current Drive Systems		377	467	517	90	-50	6,476	8,851	7,837	2,375	1,014	0	0	0	23,416	22,828	588
1.3 Auxiliary Systems		0	0	0	0	0	120	162	108	42	54	0	0	0	377	349	27
1.4 Plasma Diagnostics		100	31	50	-69	-19	1,057	977	1,141	-80	-164	0	0	0	1,785	2,067	-282
1.5 Power Systems		152	41	68	-111	-27	2,772	2,713	2,741	-59	-28	0	0	0	9,387	10,598	-1,210
1.6 Central Instrumentation & Control		23	3	6	-20	-2	144	213	218	68	-6	0	0	0	918	930	-12
1.7 Project Support & Integration		363	417	278	54	139	7,413	7,413	7,049	0	365	0	0	0	14,885	15,075	-189
1.8 Site Preparation and Torus Assembly		277	255	283	-22	-28	1,934	2,173	2,005	239	168	0	0	0	8,552	9,192	-640
b. Cost of Money		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. Gen. and Admin.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d. Undist. Budget															0	0	0
e. Sub Total		1,612	1,755	1,799	143	-44	30,328	33,477	33,214	3,149	263	0	0	0	79,112	82,552	-3,441
f. Management Resrv.															0		
g. Total		1,612	1,755	1,799	143	-44	30,328	33,477	33,214	3,149	263	0	0	0	79,112		
9. Reconciliation to CBB																	
a. Variance Adjustment																	
b. Total Contract Variance																	
											3,149		263		79,112	82,552	-3,441

CONTRACT PERFORMANCE REPORT											DOLLARS IN Thousands of \$			FORM APPROVED			
FORMAT 2 - ORGANIZATIONAL CATEGORIES														OMB No. 0704-0188			
1. CONTRACTOR				2. CONTRACT				3. PROGRAM				4. REPORT PERIOD					
a. NAME Princeton University-Plasma Physics Lab				a. NAME DOE-SC-OFES-NSTX Upgrade				a. NAME NSTX Upgrade Project				a. FROM (YYYYMMDD) 2012/04/01					
b. LOCATION (Address and ZIP Code) Princeton, New Jersey				b. NUMBER DE-AC02-09CH11466				b. PHASE CD-3				b. TO (YYYYMMDD) 2012/04/30					
c. TYPE M&O				d. SHARE RATIO				c. EVMS ACCEPTANCE NO YES X (YYYYMMDD) 2011/12/20									
5. PERFORMANCE DATA																	
OBS[3]	CURRENT PERIOD						CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST	VARIANCE		BUDGETED COST		ACTUAL COST	VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)	
	WORK SCHEDULED (2)	WORK PERFORMED (3)	WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	WORK PERFORMED (9)	SCHEDULE (10)	COST (11)							
ITEM (1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12a)	(12b)	(13)	(14)	(15)	(16)	
1000 CSU Analytical Support (Dudek)	5	5	41	0	-36	241	241	307	0	-66	0	0	0	385	889	-504	
1001 CS Plasma Facing Components (Tresemmer)	17	0	21	-17	-21	998	991	853	-7	138	0	0	0	1,924	1,786	138	
1002 Passive Plate Analysis & Upgrade (Atnafu)	46	42	17	-4	24	414	379	366	-35	13	0	0	0	429	416	13	
1200 Structures & Supports (Smith)	0	167	114	166	52	2,295	2,888	3,222	593	-334	0	0	0	3,554	4,032	-478	
1300 Center Stack (Chrzanowski)	21	21	44	0	-22	570	570	619	0	-49	0	0	0	1,063	1,112	-49	
1301 Outer TF Coils (Chrzanowski)	0	0	21	0	-21	20	39	55	19	-16	0	0	0	281	296	-16	
1302 Center Stack Assembly (Chrzanowski)	0	14	0	14	14	27	14	30	-14	-16	0	0	0	739	755	-16	
1303 TF Joint Test Stand & Test (CLOSED)	0	0	0	0	0	353	353	225	0	128	0	0	0	353	225	128	
1304 Inner TF Bundle (Chrzanowski)	121	129	-121	8	250	1,500	1,426	1,599	-74	-173	0	0	0	3,430	3,603	-173	
1305 Ohmic Heating Coil (Chrzanowski)	98	165	407	67	-242	2,536	2,797	3,307	261	-510	0	0	0	5,203	5,713	-510	
1306 Inner PF Coils (Chrzanowski)	13	0	14	-13	-13	404	235	341	-168	-106	0	0	0	669	774	-106	
1307 CS Casing Assembly (Chrzanowski)	0	0	39	0	-39	613	600	749	-12	-149	0	0	0	1,322	1,471	-149	
1310 CSU Magnets Systems (CLOSED)	0	0	0	0	0	442	442	442	0	0	0	0	0	442	442	0	
3200 Water Cooling System Mods (Denault)	0	0	0	0	0	74	68	38	-6	30	0	0	0	195	183	13	
3300 Bakeout System Mods (Raki)	0	0	0	0	0	5	55	39	50	15	0	0	0	79	63	16	
3400 Gas Delivery System Mods (Blanchard)	0	0	0	0	0	41	39	31	-2	8	0	0	0	102	103	-1	
4100 Center Stack Diagnostics (Kaita)	68	15	12	-54	2	251	330	260	79	70	0	0	0	836	807	28	
4500 MPTS VV Modification (Labik)	32	17	38	-15	-22	806	647	881	-159	-234	0	0	0	949	1,260	-311	
5000 CSU Power Systems (Raki)	75	8	37	-68	-29	1,771	1,806	1,769	35	37	0	0	0	5,736	6,472	-737	
5200 DCPS (Hatcher)	77	33	28	-44	6	621	527	645	-94	-119	0	0	0	2,521	2,639	-119	
5501 Coil Bus Runs (Smith)	0	0	3	0	-3	380	380	326	0	54	0	0	0	1,131	1,486	-355	
6100 Control Sys Data Acquisition (Sichta)	23	3	6	-20	-2	144	213	218	68	-6	0	0	0	918	930	-12	
7200 Center Stack Management (Dudek)	19	72	25	54	48	730	730	783	0	-53	0	0	0	1,539	1,591	-52	
8200 CS & Coil Supt Struct Install (Perry)	237	239	236	1	3	1,508	1,747	1,651	239	96	0	0	0	6,200	6,104	96	
8210 Field Supervision & Oversight (Perry)	40	16	48	-24	-31	366	366	351	0	15	0	0	0	1,329	1,973	-644	
8250 Remove/Install Centerstack (Perry)	0	0	0	0	0	60	60	2	0	58	0	0	0	1,023	1,114	-91	
2300 ECH Analysis (CLOSED)	0	0	0	0	0	84	84	29	0	55	0	0	0	84	29	55	
2420 2nd NBI Sources (CLOSED)	0	0	0	0	0	4	99	63	95	37	0	0	0	99	63	37	
2425 BL Relocation (Atnafu)	132	47	32	-85	15	433	319	297	-114	22	0	0	0	1,803	1,781	22	
2430 2nd NBI Decontamination (CLOSED)	0	0	0	0	0	2,057	2,057	2,070	0	-13	0	0	0	2,057	2,070	-13	
2440 2nd NBI Beamline (Cropper)	73	146	94	72	52	1,092	1,108	781	16	327	0	0	0	2,590	2,263	327	
2450 2nd NBI Services (Denault)	21	48	66	27	-18	436	747	747	310	0	0	0	0	4,506	4,641	-134	
2460 2nd NBI Armor (Tresemmer)	0	0	30	0	-30	392	585	602	193	-17	0	0	0	700	744	-44	
2470 2nd NBI Power (Raki)	2	2	108	0	-107	262	726	550	464	176	0	0	0	3,335	3,372	-37	
2475 2nd NBI Controls (Cropper)	40	116	115	76	1	288	1,003	899	714	103	0	0	0	2,287	2,286	0	
2480 2nd NBI/TVPS Duct (Denault)	0	46	32	46	14	462	593	603	131	-10	0	0	0	1,952	1,963	-10	
2485 Vacuum Pumping System (Blanchard)	0	0	13	0	-13	90	133	232	43	-99	0	0	0	388	434	-46	
2490 NTC Equipment Relocations (Perry)	110	63	27	-47	36	876	1,398	967	522	432	0	0	0	3,615	3,184	431	
7300 NB2 Management (Stevenson)	10	10	20	0	-10	543	543	486	0	57	0	0	0	1,364	1,393	-29	
7400 Health Physics Support (Stevenson)	90	90	58	0	32	1,262	1,262	810	0	452	0	0	0	2,507	2,055	453	
7100 Project Management & Integration (Strykowski)	200	200	144	0	56	3,013	3,013	3,423	0	-410	0	0	0	6,412	7,290	-878	
7710 NSTX-U HP and Other Allocations (Strykowski)	44	44	30	0	13	1,858	1,858	1,542	0	316	0	0	0	2,985	2,669	316	
7900 Integrated System (Gentile)	0	0	0	0	0	7	7	4	0	3	0	0	0	78	76	2	
b. Cost of Money	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
c. Gen. and Admin.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
d. Undist. Budget														0	0	0	
e. Sub Total	1,612	1,755	1,799	143	-44	30,328	33,477	33,214	3,149	263	0	0	0	79,112	82,552	-3,441	
f. Management Resrv.														0			
g. Total	1,612	1,755	1,799	143	-44	30,328	33,477	33,214	3,149	263	0	0	0	79,112			

CONTRACT PERFORMANCE REPORT FORMAT 2 - ORGANIZATIONAL CATEGORIES											DOLLARS IN Thousands of \$			FORM APPROVED OMB No. 0704-0188			
1. CONTRACTOR			2. CONTRACT				3. PROGRAM					4. REPORT PERIOD					
a. NAME Princeton University-Plasma Physics Lab			a. NAME DOE-SC-OFES-NSTX Upgrade				a. NAME NSTX Upgrade Project					a. FROM (YYYYMMDD) 2012/04/01					
b. LOCATION (Address and ZIP Code) Princeton, New Jersey			b. NUMBER DE-AC02-09CH11466				b. PHASE CD-3					b. TO (YYYYMMDD) 2012/04/30					
			c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE NO YES X (YYYYMMDD) 2011/12/20										
5. PERFORMANCE DATA																	
OBS[2]	CURRENT PERIOD						CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST	VARIANCE		BUDGETED COST		ACTUAL COST	VARIANCE		COST VARIANCE	SCHEDULE VARIANCE	BUDGET	BUDGETED	ESTIMATED	VARIANCE	
	WORK SCHEDULED	WORK PERFORMED	WORK PERFORMED	SCHEDULE	COST	WORK SCHEDULED	WORK PERFORMED	WORK PERFORMED	SCHEDULE	COST							
ITEM (1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12a)	(12b)	(13)	(14)	(15)	(16)	
CS Center Stack	891	944	1,029	53	-85	17,169	17,943	19,112	774	-1,169	0	0	0	42,349	46,241	-3,892	
NB Neutral Beam	477	567	596	90	-28	8,282	10,657	9,134	2,375	1,523	0	0	0	27,287	26,276	1,011	
PM Project Management	244	244	174	0	69	4,878	4,878	4,969	0	-91	0	0	0	9,475	10,035	-560	
b. Cost of Money	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
c. Gen. and Admin.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
d. Undist. Budget														0	0	0	
e. Sub Total	1,612	1,755	1,799	143	-44	30,328	33,477	33,214	3,149	263	0	0	0	79,112	82,552	-3,441	
f. Management Resrv.														0			
g. Total	1,612	1,755	1,799	143	-44	30,328	33,477	33,214	3,149	263	0	0	0	79,112			

CONTRACT PERFORMANCE REPORT FORMAT 3 - BASELINE											DOLLARS IN Thousands of \$		FORM APPROVED OMB No. 0704-0188		
1. CONTRACTOR			2. CONTRACT				3. PROGRAM				4. REPORT PERIOD				
a. NAME Princeton University-Plasma Physics Lab			a. NAME DOE-SC-OFES-NSTX Upgrade				a. NAME NSTX Upgrade Project				a. FROM (YYYYMMDD) 2012/04/01				
b. LOCATION (Address and ZIP Code) Princeton, New Jersey			b. NUMBER DE-AC02-09CH11466		b. PHASE CD-3		c. EVMS ACCEPTANCE NO YES X (YYYYMMDD) 2011/12/20			b. TO (YYYYMMDD) 2012/04/30					
c. TYPE M&O			d. SHARE RATIO												
5. CONTRACT DATA															
a. ORIGINAL NEGOTIATED COST 77,317		b. NEGOTIATED CONTRACT CHANGES 1,794		c. CURRENT NEGOTIATED COST (a. + b.) 79,112			d. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 0			e. CONTRACT BUDGET BASE (c. + d.) 79,112		f. TOTAL ALLOCATED BUDGET 79,112		g. DIFFERENCE (e. - f.) 0	
h. CONTRACT START DATE 2009 / 02 / 23			i. CONTRACT DEFINITIZATION DATE		j. PLANNED COMPLETION DATE 2015 / 09 / 29			k. CONTRACT COMPLETION DATE		l. ESTIMATED COMPLETION DATE 2015 / 09 / 29					
6. PERFORMANCE DATA															
ITEM (1)	BCWS CUMULATIVE TO DATE (2)	BCWS FOR REPORT PERIOD (3)	BUDGETED COST FOR WORK SCHEDULED (BCWS) (Non-Cumulative)											UNDIS-TRIBUTED BUDGET (15)	TOTAL BUDGET (16)
			SIX MONTH FORECAST						ENTER SPECIFIED PERIODS						
			+1 31MAY2012 (4)	+2 30JUN2012 (5)	+3 31JUL2012 (6)	+4 31AUG2012 (7)	+5 30SEP2012 (8)	+6 31OCT2012 (9)	30NOV2012 (10)	31DEC2012 (11)	31JAN2013 (12)	28FEB2013 (13)	31MAR2013 (14)		
PM Baseline (Beginning of Period)	29,071	1,562	1,374	1,643	1,549	1,749	1,472	1,912	1,680	1,585	1,774	1,561	1,412	0	78,941
ECP-022															27
ECP-025															122
ECP-027															22
PM Baseline (End of Period)	30,328		1,510	1,526	1,669	1,994	1,611	2,118	1,851	1,703	1,867	1,551	1,388	0	79,112
Management Reserve															0
Total															79,112

