

CONTRACT PERFORMANCE REPORT														FORM APPROVED					
FORMAT 1 - WORK BREAKDOWN STRUCTURE														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) 2013 / 09 / 01							
b. LOCATION (Address and ZIP Code) Princeton, New Jersey				b. NUMBER DE-AC02-09CH11466				b. PHASE CD-3				b. TO (YYYYMMDD) 2013 / 09 / 30							
c. TYPE M&O				d. SHARE RATIO				c. EVMS ACCEPTANCE NO X YES (YYYYMMDD) 2011 / 12 / 20											
5. CONTRACT DATA																			
a. QUANTITY 1	b. NEGOTIATED COST 86,146	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 0	d. TARGET PROFIT/FEE 0	e. TARGET PRICE 86,146	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			86,146			86,146													
8. PERFORMANCE DATA																			
WBS ITEM (1)	CURRENT PERIOD						CUMULATIVE TO DATE						REPROGRAMMING ADJUSTMENTS			AT COMPLETION			
	BUDGETED COST		ACTUAL COST WORK PERFORMED (4)	VARIANCE		BUDGETED COST	ACTUAL COST WORK PERFORMED		VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)			
	WORK SCHEDULED (2)	WORK PERFORMED (3)		SCHEDULE (5)	COST (6)		WORK SCHEDULED (7)	WORK PERFORMED (8)	SCHEDULE (10)	COST (11)									
1.1 Torus Systems	608	860	987	252	-126	21,902	21,126	24,458	-775	-3,332	0	0	0	24,619	28,734	-4,115			
1.2 Plasma Heating and Current D	671	518	579	-153	-61	17,158	16,911	16,368	-247	543	0	0	0	23,629	23,082	547			
1.3 Auxiliary Systems	0	27	26	27	1	120	206	182	86	23	0	0	0	458	466	-9			
1.4 Plasma Diagnostics	2	26	110	23	-85	1,968	1,788	2,118	-180	-330	0	0	0	1,972	2,332	-360			
1.5 Power Systems	466	427	520	-39	-93	6,250	5,914	6,014	-337	-100	0	0	0	10,193	10,728	-535			
1.6 Central Instrumentation & Co	7	16	19	9	-3	229	370	336	141	34	0	0	0	956	922	34			
1.7 Project Support & Integration	182	237	301	55	-64	11,992	11,992	11,240	0	753	0	0	0	14,513	14,044	469			
1.8 Site Preparation and Torus As	343	265	231	-78	34	6,237	5,962	5,460	-275	502	0	0	0	9,805	9,574	232			
b. COST OF MONEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
c. GENERAL AND ADMINISTRATIVE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
d. UNDISTRIBUTED BUDGET														0	0	0			
e. SUBTOTAL	2,279	2,376	2,773	96	-398	65,856	64,269	66,176	-1,587	-1,907	0	0	0	86,146	89,882	-3,736			
f. MANAGEMENT RESERVE														0					
g. TOTAL	2,279	2,376	2,773	96	-398	65,856	64,269	66,176	-1,587	-1,907	0	0	0	86,146					
9. RECONCILIATION TO CONTRACT BUDGET BASELINE																			
a. VARIANCE ADJUSTMENT																			
b. TOTAL CONTRACT VARIANCE															-1,587	-1,907	86,146	89,882	-3,736

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) 9/1/2013	
b. LOCATION (Address and ZIP Code) Princeton, New Jersey				b. NUMBER DE-AC02-09CH11466				b. PHASE CD-3				b. TO (YYYYMMDD) 9/30/2013	
c. TYPE M&O				d. SHARE RATIO				c. EVMS ACCEPTANCE NO <input type="checkbox"/> X <input checked="" type="checkbox"/> YES (YYYYMMDD) 2011 / 12 / 20					

OBS ITEM (1)	CURRENT PERIOD						CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL	VARIANCE		BUDGETED COST		ACTUAL	VARIANCE		COST	SCHEDULE	BUDGET	BUDGETED	ESTIMATED	VARIANCE	
	WORK SCHEDULED (2)	WORK PERFORMED (3)	COST WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	COST WORK PERFORMED (9)	SCHEDULE (10)	COST (11)	VARIANCE (12a)	VARIANCE (12b)	(13)	(14)	(15)	(16)	
CS Center Stack	\$1,441.31	\$1,690.83	\$1,901.72	250	-211	38,050	36,710	39,716	-1,340	-3,005	0	0	0	49,627	54,182	-4,555	
NB Neutral Beam	\$718.71	\$565.30	\$660.27	-153	-95	20,206	19,959	18,855	-247	1,104	0	0	0	27,181	26,072	1,110	
PM Project Management	\$119.39	\$119.39	\$211.40	0	-92	7,599	7,599	7,605	0	-6	0	0	0	9,337	9,628	-290	
b. COST OF MONEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
c. GENERAL AND ADMINISTRATIVE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
d. UNDISTRIBUTED BUDGET														\$0.00	\$0.00	0	
e. SUBTOTAL (Performance Measurement Baseline)	\$2,279.41	\$2,375.52	\$2,773.39	96	-398	\$65,855.79	\$64,268.99	\$66,175.79	-1,587	-1,907	\$0.00	\$0.00	\$0.00	86,146	\$89,881.66	-3,736	
f. MANAGEMENT RESERVE														\$0.00			
g. TOTAL	2,279	2,376	2,773	96	-398	65,856	64,269	66,176	-1,587	-1,907	0	0	0	86,146			

Categories

**CONTRACT PERFORMANCE REPORT
FORMAT 2 - ORGANIZATIONAL CATEGORIES**

FORM APPROVED

DOLLARS IN

Thousands of \$

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) 9/1/2013	
b. LOCATION (Address and ZIP Code) Princeton, New Jersey		b. NUMBER DE-AC02-09CH11466		b. PHASE CD-3		b. TO (YYYYMMDD) 9/30/2013	
		c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (YYYYMMDD) 2011 / 12 / 20	

OBS ITEM (1)	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL	VARIANCE		BUDGETED COST		ACTUAL	VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	WORK SCHEDULED (2)	WORK PERFORMED (3)	COST WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	COST WORK PERFORMED (9)	SCHEDULE (10)	COST (11)						
1000 CSU Analytical Support (Dudek)	\$15.67	\$15.67	\$8.15	0	8	505	505	518	0	-13	0	0	0	705	719	-14
1001 CS Plasma Facing Components (Tresemer)	\$3.33	\$64.89	\$58.95	62	6	1,955	1,915	1,696	-40	219	0	0	0	2,110	1,891	219
1002 Passive Plate Analysis & Upgrade (Atnafu)	\$14.17	\$12.58	\$3.59	-2	9	653	652	517	-1	135	0	0	0	996	861	135
1200 Structures & Supports (Smith)	\$88.14	\$63.20	\$89.85	-25	-27	3,772	3,763	4,458	-9	-695	0	0	0	3,791	4,486	-695
1300 Center Stack (Chrzanowski)	\$138.41	\$138.41	\$109.21	0	29	2,160	2,160	2,310	0	-150	0	0	0	2,536	2,685	-149
1301 Outer TF Coils (CLOSED)	\$0.00	\$0.00	-\$4.73	0	5	471	471	380	0	90	0	0	0	471	380	90
1302 Center Stack Assembly (Chrzanowski)	\$172.26	\$37.87	\$45.17	-134	-7	585	154	170	-430	-16	0	0	0	845	937	-93
1303 TF Joint Test Stand & Test (CLOSED)	\$0.00	\$0.00	\$0.00	0	0	353	353	225	0	128	0	0	0	353	225	128
1304 Inner TF Bundle (Chrzanowski)	\$0.00	\$55.01	\$73.45	55	-18	2,779	3,098	3,213	319	-115	0	0	0	3,566	3,798	-232
1305 Ohmic Heating Coil (Chrzanowski)	\$110.90	\$215.61	\$415.88	105	-200	6,120	5,760	8,547	-359	-2,786	0	0	0	6,598	9,943	-3,344
1306 Inner PF Coils (Chrzanowski)	\$65.07	\$171.95	\$155.64	107	16	748	552	710	-195	-158	0	0	0	824	1,012	-188
1307 CS Casing Assembly (Chrzanowski)	\$0.00	\$84.95	\$31.43	85	54	1,361	1,301	1,273	-59	29	0	0	0	1,384	1,356	28
1310 CSU Magnets Systems (CLOSED)	\$0.00	\$0.00	\$0.00	0	0	442	442	442	0	0	0	0	0	442	442	0
3200 Water Cooling System Mods (Atnafu)	\$0.00	\$0.00	-\$0.00	0	0	74	68	38	-6	30	0	0	0	195	197	-1
3300 Bakeout System Mods CSU (Raki)	\$0.00	\$26.70	\$24.39	27	2	5	81	74	77	7	0	0	0	160	153	7
3400 Gas Delivery System Mods (Blanchard)	\$0.00	\$0.00	\$1.69	0	-2	41	56	70	15	-14	0	0	0	102	116	-14
4100 Center Stack Diagnostics (Kaita)	\$0.00	\$11.40	\$54.50	11	-43	836	718	636	-118	81	0	0	0	836	755	80
4500 MPTS VV Modification (Labik)	\$2.39	\$14.40	\$55.91	12	-42	1,133	1,070	1,482	-62	-412	0	0	0	1,137	1,577	-440
5000 CSU Power Systems (Raki)	\$284.21	\$143.61	\$124.02	-141	20	3,149	3,390	2,795	240	594	0	0	0	5,735	5,117	618
5200 DCPs (Hatcher)	\$115.91	\$187.08	\$269.96	71	-83	2,003	1,699	2,375	-304	-676	0	0	0	2,406	3,555	-1,148
5501 Coil Bus Runs (Atnafu)	\$65.38	\$95.99	\$126.21	31	-30	1,098	826	844	-273	-18	0	0	0	2,051	2,056	-5
6100 Control Sys Data Acquisition (Sichta)	\$7.28	\$16.37	\$18.88	9	-3	229	370	336	141	34	0	0	0	956	922	34
7200 Center Stack Management (Dudek)	\$15.03	\$69.95	\$8.68	55	61	1,345	1,345	1,148	0	197	0	0	0	1,624	1,427	197
8200 CS & Coil Supt Struct Install (Perry)	\$299.80	\$161.30	\$201.35	-138	-40	4,915	4,648	4,558	-268	90	0	0	0	7,156	7,066	90
8210 Field Supervision & Oversight (Perry)	\$42.10	\$42.10	\$29.57	0	13	1,083	1,083	899	0	184	0	0	0	1,426	1,241	185
8250 Remove/Install Centerstack (Perry)	\$1.25	\$61.76	-\$0.01	61	62	238	231	3	-7	228	0	0	0	1,223	1,267	-44
2300 ECH Analysis (CLOSED)	\$0.00	\$0.00	\$0.00	0	0	84	84	29	0	55	0	0	0	84	29	55
2420 2nd NBI Sources (CLOSED)	\$67.20	\$0.00	\$0.00	-67	0	208	99	61	-109	38	0	0	0	99	61	38
2425 BL Relocation (Cropper)	\$0.00	\$30.63	\$18.00	31	13	1,803	1,632	1,154	-171	478	0	0	0	1,803	1,325	477
2430 2nd NBI Decontamination (CLOSED)	\$0.00	\$0.00	\$0.00	0	0	2,057	2,057	2,070	0	-13	0	0	0	2,057	2,070	-13
2440 2nd NBI Beamline (Cropper)	\$0.00	\$0.00	-\$2.92	0	3	1,979	1,901	1,508	-78	393	0	0	0	1,979	1,586	393
2450 2nd NBI Services (Cropper)	\$288.01	\$296.23	\$360.56	8	-64	3,185	3,475	3,186	290	289	0	0	0	4,950	4,661	289
2460 2nd NBI Armor (Tresemer)	\$7.83	\$1.01	\$2.97	-7	-2	518	653	881	136	-228	0	0	0	761	988	-228
2470 2nd NBI Power (Raki)	\$128.98	\$73.46	\$105.97	-56	-33	1,446	1,181	1,397	-265	-216	0	0	0	3,492	3,708	-215
2475 2nd NBI Controls (Cropper)	\$27.94	\$31.72	-\$0.94	4	33	2,008	1,714	1,370	-294	343	0	0	0	2,611	2,268	343
2480 2nd NBI/TVPS Duct (Blanchard)	\$68.42	\$52.11	\$58.32	-16	-6	1,820	1,933	2,277	113	-344	0	0	0	2,094	2,433	-339
2485 Vacuum Pumping System (Blanchard)	\$0.00	\$3.66	-\$0.11	4	4	90	295	361	205	-66	0	0	0	388	454	-67
2490 NTC Equipment Relocations (Perry)	\$82.96	\$29.11	\$37.52	-54	-8	1,960	1,887	2,073	-74	-187	0	0	0	3,311	3,498	-187
7300 NB2 Management (Stevenson)	\$17.46	\$17.46	\$11.01	0	6	844	844	719	0	125	0	0	0	1,103	977	125
7400 Health Physics Support (Stevenson)	\$29.91	\$29.91	\$69.89	0	-40	2,205	2,205	1,768	0	437	0	0	0	2,449	2,012	437
7100 Project Management & Integration (Strykowski)	\$86.90	\$86.90	\$114.94	0	-28	5,117	5,117	5,378	0	-261	0	0	0	6,412	7,010	-598
7710 NSTX-U HP and Other Allocations (Strykowski)	\$32.34	\$32.34	\$96.46	0	-64	2,473	2,473	2,223	0	250	0	0	0	2,847	2,545	302
7900 Integrated System (Gentile)	\$0.15	\$0.15	\$0.00	0	0	9	9	4	0	5	0	0	0	78	73	5
b. COST OF MONEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. GENERAL AND ADMINISTRATIVE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d. UNDISTRIBUTED BUDGET														\$0.00	\$0.00	0
e. SUBTOTAL (Performance Measurement Baseline)	\$2,279.41	\$2,375.52	\$2,773.39	96	-398	\$65,855.79	\$64,268.99	\$66,175.79	-1,587	-1,907	\$0.00	\$0.00	\$0.00	86,146	\$89,881.65	-3,736

CONTRACT PERFORMANCE REPORT													FORM APPROVED			
FORMAT 3 - BASELINE													OMB No. 0704-0188			
DOLLARS IN											Thousands of \$					
The public reporting burden for this collection of information is estimated to average 5.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.																
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) 2013 / 09 / 01					
b. LOCATION (Address and ZIP Code) Princeton, New Jersey			b. NUMBER DE-AC02-09CH11466				b. PHASE CD-3				b. TO (YYYYMMDD) 2013 / 09 / 30					
			c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE NO X YES (YYYYMMDD) 2011 / 12 / 20									
5. CONTRACT DATA																
a. ORIGINAL NEGOTIATED COST 77,317			b. NEGOTIATED CONTRACT CHANGES 8,829		c. CURRENT NEGOTIATED COST (a. + b.) 86,146		d. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 0		e. CONTRACT BUDGET BASE (c. + d.) 86,146		f. TOTAL ALLOCATED BUDGET 88,491			g. DIFFERENCE (e. - f.) -2,345		
h. CONTRACT START DATE (YYYYMMDD) 2009/02/23			i. CONTRACT DEFINITIZATION DATE (YYYYMMDD)			j. PLANNED COMPLETION DATE (YYYYMMDD) 2015/09/29			k. CONTRACT COMPLETION DATE (YYYYMMDD)			l. ESTIMATED COMPLETION DATE (YYYYMMDD) 2015/09/29				
6. PERFORMANCE DATA																
Contract Change Number ITEM (1)	BCWS CUMULATIVE TO DATE (2)	BCWS FOR REPORT PERIOD (3)	BUDGETED COST FOR WORK SCHEDULED (BCWS) (Non-Cumulative)												UNDISTRIBUTED BUDGET (15)	TOTAL BUDGET (16)
			SIX MONTH FORECAST (Enter names of months)						ENTER SPECIFIED PERIODS							
			+1 31OCT2013 (4)	+2 30NOV2013 (5)	+3 31DEC2013 (6)	+4 31JAN2014 (7)	+5 28FEB2014 (8)	+6 31MAR2014 (9)	30APR2014 (10)	31MAY2014 (11)	30JUN2014 (12)	31JUL2014 (13)	31AUG2014 (14)			
a. PERFORMANCE MEASUREMENT	63,569	2,279	3,258	2,411	1,706	2,329	2,008	2,149	1,683	1,452	1,199	730	541	0	85,614	
b. BASELINE CHANGES AUTHORIZED DURING REPORTING PERIOD																
ECP-091															81	
ECP-097															264	
ECP-099															187	
c. PERFORMANCE MEASUREMENT BASELINE (End of Period)	65,856		3,348	2,501	1,851	2,377	2,020	2,201	1,720	1,479	1,225	730	541	0	86,146	
7. MANAGEMENT RESERVE																
															0	
8. TOTAL															86,146	

