

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)					
b. LOCATION (Address and ZIP Code) Princeton, New Jersey					b. NUMBER DE-AC02-09CH11466					b. PHASE CD-3					2013 / 11 / 01					
					c. TYPE M&O					d. SHARE RATIO					b. TO (YYYYMMDD)					
										c. EVMS ACCEPTANCE					2013 / 11 / 30					
										NO					X					
										YES (YYYYMMDD)					2011 / 12 / 20					
5. CONTRACT DATA																				
a. QUANTITY	b. NEGOTIATED COST	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK	d. TARGET PROFIT/FEE	e. TARGET PRICE	f. ESTIMATED PRICE	g. CONTRACT CEILING	h. ESTIMATED CONTRACT CEILING	i. DATE OF OTB/OTS (YYYYMMDD)												
1	86,580	0	0	86,580	0	0	0													
6. ESTIMATED COST AT COMPLETION																				
MANAGEMENT ESTIMATE AT COMPLETION (1)			CONTRACT BUDGET BASE (2)			VARIANCE (3)			7. AUTHORIZED CONTRACTOR REPRESENTATIVE											
a. BEST CASE			0						a. NAME (Last, First, Middle Initial) Ronald Strykowsky											
b. WORST CASE			0						b. TITLE Project Manager											
c. MOST LIKELY			0			86,580			86,580			c. SIGNATURE						d. DATE SIGNED (YYYYMMDD)		
8. PERFORMANCE DATA																				
WBS (3)	CURRENT PERIOD						CUMULATIVE TO DATE						REPROGRAMMING ADJUSTMENTS			AT COMPLETION				
	BUDGETED COST		ACTUAL COST WORK PERFORMED (4)	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED (9)	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)										
ITEM (1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12a)	(12b)	(13)	(14)	(15)	(16)				
1.1 Torus Systems	428	301	520	-127	-219	23,183	21,790	25,430	-1,394	-3,640	0	0	0	24,619	29,098	-4,479				
1.2 Plasma Heating and Current L	845	880	425	35	455	19,037	18,275	17,151	-762	1,124	0	0	0	23,629	22,505	1,125				
1.3 Auxiliary Systems	22	37	43	15	-6	197	243	226	46	17	0	0	0	458	472	-14				
1.4 Plasma Diagnostics	1	3	60	2	-57	1,972	1,826	2,223	-147	-398	0	0	0	2,126	2,543	-417				
1.5 Power Systems	695	347	364	-347	-17	7,736	6,552	6,577	-1,184	-25	0	0	0	10,193	10,515	-322				
1.6 Central Instrumentation & Co	78	21	26	-57	-5	405	396	364	-9	32	0	0	0	974	941	32				
1.7 Project Support & Integration	190	205	265	15	-60	12,391	12,379	11,689	-13	690	0	0	0	14,513	13,906	607				
1.8 Site Preparation and Torus As	242	547	218	305	329	6,781	6,732	5,674	-49	1,059	0	0	0	10,068	9,654	414				
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																				
e. SUBTOTAL	2,501	2,341	1,921	-160	420	71,704	68,193	69,334	-3,511	-1,141	0	0	0	86,580	89,634	-3,053				
f. MANAGEMENT RESERVE																				
g. TOTAL	2,501	2,341	1,921	-160	420	71,704	68,193	69,334	-3,511	-1,141	0	0	0	86,580						
9. RECONCILIATION TO CONTRACT BUDGET BASELINE																				
a. VARIANCE ADJUSTMENT																				
b. TOTAL CONTRACT VARIANCE																				
										-3,511		-1,141		86,580		0		86,580		

CONTRACT PERFORMANCE REPORT FORMAT 2 - ORGANIZATIONAL CATEGORIES														FORM APPROVED OMB No. 0704-0188		
1. CONTRACTOR		2. CONTRACT				3. PROGRAM				4. REPORT PERIOD		DOLLARS IN Thousands of \$				
a. NAME Princeton University-Plasma Physics Lab		a. NAME DOE-SC-OFES-NSTX Upgrade				a. NAME NSTX Upgrade Project				a. FROM (YYYYMMDD) 11/1/2013						
b. LOCATION (Address and ZIP Code) Princeton, New Jersey		b. NUMBER DE-AC02-09CH11466				b. PHASE CD-3				b. TO (YYYYMMDD) 11/30/2013						
c. TYPE M&O		d. SHARE RATIO				c. EVMS ACCEPTANCE #NAME? NO #NAME? YES (YYYYMMDD) #NAME?										
5. PERFORMANCE DATA																
OBS (2) 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)						
=CONCATENATE(REPT(" ",1-1),"CS"," Center Stack")	\$1,484.16	\$1,273.84	\$1,245.89	-\$210.32	\$27.95	\$41,657.79	\$38,920.75	\$41,686.12	-\$2,737.04	-\$2,765.36	\$0.00	\$0.00	\$0.00	\$50,061.80	\$54,657.60	-\$4,595.80
=CONCATENATE(REPT(" ",1-1),"NB"," Neutral Beam")	\$885.06	\$941.57	\$526.52	\$56.51	\$415.06	\$22,171.72	\$21,409.87	\$19,794.60	-\$761.84	\$1,615.27	\$0.00	\$0.00	\$0.00	\$27,181.22	\$25,564.98	\$1,616.24
=CONCATENATE(REPT(" ",1-1),"PM"," Project Management")	\$131.66	\$125.50	\$148.56	-\$6.15	-\$23.06	\$7,874.66	\$7,862.06	\$7,853.08	-\$12.60	\$8.98	\$0.00	\$0.00	\$0.00	\$9,337.39	\$9,411.08	-\$73.69
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	\$0.00
e. SUBTOTAL (Performance Measurement Baseline)	\$2,500.88	\$2,340.91	\$1,920.97	-\$159.96	\$419.95	\$71,704.17	\$68,192.69	\$69,333.80	-\$3,511.48	-\$1,141.11	\$0.00	\$0.00	\$0.00	\$86,580.41	\$89,633.66	-\$3,053.26
f. MANAGEMENT RESERVE														\$0.00		
g. TOTAL	\$2,500.88	\$2,340.91	\$1,920.97	-\$159.96	\$419.95	\$71,704.17	\$68,192.69	\$69,333.80	-\$3,511.48	-\$1,141.11	\$0.00	\$0.00	\$0.00	\$86,580.41		

CONTRACT PERFORMANCE REPORT FORMAT 2 - ORGANIZATIONAL CATEGORIES													DOLLARS IN		Thousands of \$		FORM APPROVED	
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 / 11 / 01							
b. LOCATION (Address and ZIP Code) Princeton, New Jersey			b. NUMBER DE-AC02-09CH11466				b. PHASE CD-3				b. TO (YYYYMMDD) 2013 / 11 / 30							
c. TYPE M&O			d. SHARE RATIO				c. EVMS ACCEPTANCE NO <input type="checkbox"/> X <input checked="" type="checkbox"/> YES (YYYYMMDD) 2011 / 12 / 20											
5. PERFORMANCE DATA																		
OBS (3)	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING			AT COMPLETION				
	BUDGETED COST		ACTUAL		VARIANCE		BUDGETED COST		ACTUAL		VARIANCE		ADJUSTMENTS			BUDGETED	ESTIMATED	VARIANCE
	ITEM (1)	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)	COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	(14)	(15)	(16)	
1000 CSU Analytical Support (Dudek)	16	16	17	0	-2	539	539	542	0	-3	0	0	0	705	708	-3		
1001 CS Plasma Facing Components (Tresemer)	26	3	28	-23	-25	2,038	1,932	1,742	-106	190	0	0	0	2,110	1,920	190		
1002 Passive Plate Analysis & Upgrade (Atnafu)	7	51	16	44	35	716	721	540	5	181	0	0	0	996	816	180		
1200 Structures & Supports (Smith)	9	10	-52	1	63	3,789	3,773	4,407	-16	-633	0	0	0	3,791	4,424	-633		
1300 Center Stack (Chrzanowski)	59	59	140	0	-81	2,281	2,281	2,556	0	-275	0	0	0	2,536	2,963	-427		
1301 Outer TF Coils (CLOSED)	0	0	0	0	0	471	471	477	0	-6	0	0	0	471	477	-6		
1302 Center Stack Assembly (Chrzanowski)	0	0	0	0	0	684	236	172	-448	64	0	0	0	845	848	-3		
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)	223	0	8	-223	-8	3,230	3,098	3,220	-132	-122	0	0	0	3,566	3,805	-240		
1305 Ohmic Heating Coil (Chrzanowski)	80	53	294	-27	-241	6,442	5,938	9,017	-504	-3,079	0	0	0	6,598	10,165	-3,567		
1306 Inner PF Coils (Chrzanowski)	0	108	64	108	44	824	695	806	-129	-112	0	0	0	824	950	-126		
1307 CS Casing Assembly (Chrzanowski)	7	0	4	-7	-4	1,375	1,312	1,284	-64	27	0	0	0	1,384	1,356	28		
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 (Atnafu)	0	3	4	3	-2	74	71	42	-3	29	0	0	0	195	197	-2		
3300 Bakeout System Mods CSU (Raki)	8	34	36	27	-1	20	116	110	95	6	0	0	0	160	155	5		
3400 Gas Delivery System Mods (Blanchard)	15	0	3	-15	-3	102	56	74	-46	-18	0	0	0	102	120	-17		
4100 Center Stack Diagnostics (Kaiba)	0	0	24	0	-24	836	733	672	-103	61	0	0	0	836	775	61		
4500 MPTS VV Modification (Labik)	1	1	36	0	-34	1,137	1,091	1,552	-45	-460	0	0	0	1,137	1,617	-480		
5000 CSU Power Systems (Raki)	560	91	90	-469	1	4,246	3,606	2,923	-640	684	0	0	0	5,735	5,117	619		
5200 DCPs (Hatcher)	52	71	185	20	-113	2,212	1,836	2,686	-376	-850	0	0	0	2,406	3,489	-1,082		
5501 Coil Bus Runs (Atnafu)	83	185	90	102	95	1,278	1,110	968	-168	141	0	0	0	2,051	1,909	142		
6100 Control Sys Data Acquisition (Sichta)	78	21	26	-57	-5	405	396	364	-9	32	0	0	0	974	941	32		
7200 Center Stack Management (Dudek)	18	18	15	0	3	1,382	1,382	1,193	0	189	0	0	0	1,624	1,435	189		
8200 CS & Coil Supt Struct Install (Perry)	197	519	185	323	334	5,361	5,357	4,712	-4	645	0	0	0	7,156	7,156	0		
8210 Field Supervision & Oversight (Perry)	27	27	33	0	-5	1,145	1,145	954	0	191	0	0	0	1,426	1,236	191		
8250 Remove/Install Centerstack (Perry)	18	0	0	-18	0	276	231	8	-45	223	0	0	0	1,485	1,262	224		
4501 Bay A and L RWM Coil (Labik)	0	2	0	2	2	0	2	0	2	2	0	0	0	154	152	2		
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)	69	0	0	-69	0	354	99	61	-254	38	0	0	0	99	61	38		
2425 BL Relocation (Cropper)	0	0	30	0	-30	1,803	1,694	1,215	-108	479	0	0	0	1,803	1,323	480		
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)	0	0	1	0	-1	1,979	1,901	1,514	-78	387	0	0	0	1,979	1,592	387		
2450 2nd NBI Services (Cropper)	128	352	88	224	264	3,683	3,860	3,314	177	546	0	0	0	4,950	4,405	546		
2460 2nd NBI Armor (Tresemer)	51	37	7	-14	30	623	691	887	68	-197	0	0	0	761	957	-196		
2470 2nd NBI Power (Raki)	330	378	203	49	175	2,115	1,900	1,874	-215	26	0	0	0	3,492	3,466	26		
2475 2nd NBI Controls (Cropper)	109	0	27	-109	-27	2,173	1,716	1,394	-458	322	0	0	0	2,611	2,289	322		
2480 2nd NBI/TVPS Duct (Blanchard)	83	41	6	-42	34	2,012	2,008	2,284	-4	-276	0	0	0	2,094	2,370	-276		
2485 Vacuum Pumping System (Blanchard)	37	0	0	-37	0	148	299	361	151	-63	0	0	0	388	450	-63		
2490 NTC Equipment Relocations (Perry)	37	72	63	35	9	2,007	1,967	2,148	-40	-182	0	0	0	3,311	3,492	-181		
7300 NB2 Management (Stevenson)	21	21	17	0	4	888	888	749	0	139	0	0	0	1,103	964	139		
7400 Health Physics Support (Stevenson)	20	41	84	21	-43	2,247	2,247	1,895	0	352	0	0	0	2,449	2,097	352		
7100 Project Management & Integration (Strykowski)	95	95	117	0	-21	5,317	5,317	5,574	0	-257	0	0	0	6,412	6,793	-381		
7710 NSTX-U HP and Other Allocations (Strykowski)	30	30	32	0	-2	2,536	2,536	2,275	0	260	0	0	0	2,847	2,545	302		
7900 Integrated System (Gentile)	6	0	0	-6	0	22	9	4	-13	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	0	0		
e. SUBTOTAL (Performance Measurement Baseline)	2,501	2,341	1,921	-160	420	71,704	68,193	69,334	-3,511	-1,141	0	0	0	86,580	89,634	-3,053		

CONTRACT PERFORMANCE REPORT													FORM APPROVED			
FORMAT 3 - BASELINE													OMB No. 0704-0188			
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 / 11 / 01					
b. LOCATION (Address and ZIP Code) Princeton, New Jersey			b. NUMBER DE-AC02-09CH11466				b. PHASE CD-3				b. TO (YYYYMMDD) 2013 / 11 / 30					
			c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE NO <input type="checkbox"/> X <input checked="" type="checkbox"/> YES (YYYYMMDD) 2011 / 12 / 20									
5. CONTRACT DATA																
a. ORIGINAL NEGOTIATED COST 77,317			b. NEGOTIATED CONTRACT CHANGES 9,263		c. CURRENT NEGOTIATED COST (a. + b.) 86,580		d. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 0		e. CONTRACT BUDGET BASE (c. + d.) 86,580		f. TOTAL ALLOCATED BUDGET 86,580		g. DIFFERENCE (e. - f.) 0			
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 31DEC2013 (4)	+2 31JAN2014 (5)	+3 28FEB2014 (6)	+4 31MAR2014 (7)	+5 30APR2014 (8)	+6 31MAY2014 (9)	30JUN2014 (10)	31JUL2014 (11)	31AUG2014 (12)	30SEP2014 (13)	31OCT2014 (14)			
a. PERFORMANCE MEASUREMENT BASELINE (Beginning of Period)	69,203	2,501	1,851	2,377	2,020	2,201	1,720	1,479	1,225	730	541	298	0	0	86,146	
b. BASELINE CHANGES AUTHORIZED DURING REPORTING PERIOD																
ECP-101															525	
ECP-100															308	
ECP-102															35	
c. PERFORMANCE MEASUREMENT BASELINE (End of Period)	71,704		1,872	2,431	2,075	2,274	1,768	1,482	1,225	911	541	298	0	0	86,580	
7. MANAGEMENT RESERVE															0	
8. TOTAL															86,580	

