

File : NSTXU NSTX Upgrade Project

Cost Account/ Work Package	Description	PMT	BAC	EAC	% Comp	BCWS	Cumulative		Current Period			Status	Scheduled		Act/Est	
							BCWP	ACWP	BCWS	BCWP	ACWP		Start	Finish	Start	Finish
1303-000C1	3.1 Selection Braze vs Solder Between Laminates	% Cmp	0	0	0							Closed	15Sep10	15Sep10	15Sep10	15Sep10
1303-000C2	3.2 Manufacture Joint w/Actual Hardware & Copper	% Cmp	0	0	0							Closed	10Oct10	10Oct10	3Jan11	20May11
1303-000C3	3.3 Materials for Testing	% Cmp	0	0	0							Closed	15Oct10	15Nov10	15Oct10	30Mar11
1303-000C4	3.4 In-plane Bending Stiffnes (use Joint Sample)	% Cmp	0	0	0							Closed	15Oct10	15Nov10	15Oct10	20May11
1303-000C5	3.5 Cyclic, Simulated Combine Test(Joint Sample)	% Cmp	0	0	0							Closed	10Oct10	15Dec10	15Oct10	20May11
1303-000C6	3.6 Contact Pressure Distribtn/Therml Joint Tst	% Cmp	0	0	0							Closed	15Oct10	15Dec10	15Oct10	5Jul11
1303-000D1	4.2 Verify C18150 can be Joint C10700 Conductors	% Cmp	0	0	0							Closed	10Sep10	10Sep10	10Sep10	10Sep10
1303-000E	5.1 Tap-Lok Insert Pullout Strength-Static/Fatig	% Cmp	0	0	0							Closed	22Nov10	5Jan11	13Oct10	30Mar11
1303-000F	6.1 Verify Shear Bond Strength Copper/Epoxy/Insu	% Cmp	0	0	0							Closed	29Oct10	29Oct10	31Jan11	31Jan11
1303-000G	7.1 Layer t/LayerBraze Tst after Conductor Proc	% Cmp	0	0	0								10Oct10	10Oct10	18Jun12	18Jun12
1303-000H	8.1 Inline Braze Test after Conductor Procuremnt	% Cmp	0	0	0								10Oct10	10Oct10	18Jun12	18Jun12
1303-000I	9.1 Test MTRL/Process f/Manufactg to 0.1" Gap	% Cmp	0	0	0								10Oct10	10Oct10	18Jun12	18Jun12
1303-001	Test Engineering Design and Analysis	% Cmp	53	0	100	53	53					Closed	1May10	25Apr11	1May10	5Jul11
1303-002	Materials Testing	% Cmp	7	0	100	7	7					Closed	1May10	25Apr11	1May10	25May11
1303-003	Component Testing	% Cmp	10	0	100	10	10					Closed	1May10	25Apr11	1May10	25May11
1303-004	Assembly Testing	% Cmp	19	0	100	19	19					Closed	1Sep10	25Apr11	1Sep10	5Jul11
1303-005	Model Fabrication	% Cmp	0	0	0							Closed	1May10	31Aug10	1May10	31Aug10
1303-011	Testing Design Support and M&S	% Cmp	212	0	100	212	212					Closed	10Oct10	25Apr11	10Oct10	30Mar11
FY101303	FY10 Actual Cost	% Cmp	28	0	100	28	28					Closed	1Jan10	30Apr10	1Jan10	30Apr10
FY101303A	FY10 Actual Cost	% Cmp	21	0	100	21	21					Closed	3May10	30Sep10	3May10	30Sep10
Cost Account Totals			352	212	100	352	352	224				15 Open	1Jan10	25Apr11	1Jan10	18Jun12
1.1 1304 Inner TF Bundle																
1304-0050	Perform Add'l Friction Stir Weld Trials-Phase II	% Cmp	0	0	0							Closed	1Sep10	10Oct10	1Sep10	10Oct10
1304-0060	Fabricate Flex Bus Assy's for Testing (2)	% Cmp	17	0	100	17	17					Closed	1Sep10	29Oct10	1Sep10	29Oct10
1304-0065	New Insulation Shear R&D Test	% Cmp	27	0	100	27	27					Closed	16Sep10	15Nov10	16Sep10	15Nov10
1304-0065B	Second Insulation Shear R&D Test (60k cycle tes	% Cmp	22	0	100	22	22					Closed	24Nov10	25Feb11	24Nov10	25Feb11

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1304-0110	Design-Analyze Tension Strap	% Cmp	0	0	0							Closed	24Jun10	15Jul10	24Jun10	15Jul10
1304-0130	Complete Analysis if TF Flex Bus	% Cmp	0	0	0							Closed	26Jul10	26Aug10	26Jul10	26Aug10
1304-0140	Complete & Check Thermal Stresses	% Cmp	0	0	0							Closed	16Jul10	5Aug10	16Jul10	5Aug10
1304-0150	Maintain input to Willards Flex Model (LOE)	% Cmp	7	0	100	7	7					Closed	24Jun10	3Jan11	24Jun10	31Jan11
1304-0160	Check Willards/Tooling/Fixturing Calculations	% Cmp	23	0	30	23	6			6		Open	3Jan11	25Feb11	15Aug11	29Nov11
1304-0170	N/R Tooling/Fixturing Calculations	% Cmp	0	0	0							Closed	31Aug10	31Aug10	31Aug10	31Aug10
1304-0180	N/R Calculation/Write/Check Files	% Cmp	0	0	0							Closed	31Aug10	31Aug10	31Aug10	31Aug10
1304-0190	Analyze Pins & Crown	% Cmp	34	0	100	34	34					Closed	24Jun10	15Oct10	24Jun10	29Apr11
1304-0210	Pedestal/Lower Skirt/TF Teeth Analysis	% Cmp	36	0	100	36	36					Closed	2Aug10	5Jan11	2Aug10	29Apr11
1304-0220	Finish Torque for Upper Teeth & Covers Post Proc	% Cmp	7	0	100	7	7					Closed	2Aug10	2Feb11	2Aug10	25Apr11
1304-0230	DCPS Input	% Cmp	18	0	100	18	18					Closed	24Jun10	16Feb11	24Jun10	29Apr11
1304-0250	Complete Detail and Assembly CAD Drawings	% Cmp	68	0	100	68	68					Closed	24Jun10	29Apr11	24Jun10	29Apr11
1304-0260	Prepare for FDR	% Cmp	4	0	100	4	4					Closed	2May11	20May11	13Jun11	17Jun11
1304-0460	Generate SOW for TF Conductor	% Cmp	0	0	0							Closed	1Oct10	28Oct10	1Oct10	28Oct10
1304-0480	Prep Req for TF Conductor & Submit to Proc	% Cmp	0	0	0							Closed	1Oct10	4Nov10	1Oct10	29Oct10
1304-0500	Bid & Award TF Conductor-Copper Extrusions	% Cmp	0	0	0							Closed	5Nov10	20Dec10	1Dec10	19Jan11
1304-0600	Manufacture TF Conductor-Copper Extrusions (80)	% Cmp	304	0	100	304	304			3		Closed	21Dec10	3May11	20Jan11	30Aug11
1304-0730	Prep Req to Mach Conductors & Submit to Proc	% Cmp	0	0	0							Closed	16Mar11	22Mar11	16Mar11	22Mar11
1304-0740	Bid & Award Contract to Machine Conductors	% Cmp	0	0	0							Open	23Mar11	3May11	31Mar11	19Sep11
304-0750	Machine TF Conductors (Cling Grooves, Lead Areas)	% Cmp	321	0	0	321				19			4May11	4Aug11	20Sep11	10Oct11
304-0750A	Deliver 1st 25 Machined Conductors	% Cmp	0	0	0								30Jun11	30Jun11	15Nov11	15Nov11
304-0750B	Deliver 2nd 20 Machined Conductors	% Cmp	0	0	0								5Aug11	5Aug11	11Oct11	11Oct11

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1304-0770	Prep Req for Cu-Cr-Zr TF Lead Extensions	% Cmp	0	0	0							Closed	17Mar11	30Mar11	16Mar11	22Mar11
1304-0780	Bid & Award TF Lead Extensions	% Cmp	0	0	0							Open	31Mar11	11May11	31Mar11	119Sep11
1304-0790	Fab & Del TF Lead Extensions	% Cmp	63	0	0	48			14				12May11	30Oct11	20Sep11	130Nov11
1304-0830	Prep Req for Friction Stir Welding	% Cmp	0	0	0							Closed	15Aug11	19Aug11	16Mar11	22Mar11
1304-0840	Bid & Award Friction Stir Welding	% Cmp	0	0	0							Open	22Aug11	30Oct11	31Mar11	119Sep11
1304-0850	Friction Stir-Weld Coil Leads to Conductors	% Cmp	328	0	0								4Oct11	5Jan12	1Dec11	1Mar12
1304-0850A	Deliver 1st 20 FSW Conductors	50-50	0	0	0								1Dec11	1Dec11	3Feb12	3Feb12
1304-0850B	Deliver 2nd 25 FSW conductors	50-50	0	0	0								6Jan12	6Jan12	2Mar12	2Mar12
1304-0930	Prep Req for Final Conductor Machining	% Cmp	0	0	0							Closed	9Nov11	15Nov11	16Mar11	22Mar11
1304-0940	Bid & Award Final Conductor Machining	50-50	0	0	0							Open	16Nov11	6Jan12	31Mar11	119Sep11
1304-0950	Machine TF Conductors (Fnl Lead Areas & Inserts)	% Cmp	131	0	0								9Jan12	2Mar12	6Jan12	25Jun12
1304-0950A	Receive 1st Delivery of Final Machined TF Cond	50-50	0	0	0								20Feb12	20Feb12	1Feb12	1Feb12
1304-0950B	Receive Balance of Final Machined TF Cond	50-50	0	0	0								5Mar12	5Mar12	2Jul12	2Jul12
1304-1110	Prep Req for C151 (Cu-Zr) for Flex Bus	50-50	0	0	0								2Jan13	15Jan13	2Jan13	15Jan13
1304-1112	Bid/Award- C151 for Flex Bus	50-50	0	0	0								16Jan13	26Feb13	16Jan13	26Feb13
1304-1114	Fab & Deliver C151 for Flex Bus	% Cmp	39	0	0								27Feb13	23Apr13	27Feb13	23Apr13
1304-1114A	Prep Req for Flex Bus Solder Bimetal Wafers	50-50	0	0	0								2Jan13	15Jan13	2Jan13	15Jan13
1304-1114B	Bid/Award- for Flex Bus Solder Bimetal Wafers	50-50	0	0	0								16Jan13	26Feb13	16Jan13	26Feb13
1304-1114C	Fab & Delive- for Flex Bus Solder Bimetal Wafers	% Cmp	39	0	0								27Feb13	23Apr13	27Feb13	23Apr13
1304-1120	Prep Req for Flex Bus Fabrication	50-50	0	0	0								5Aug13	16Aug13	5Aug13	16Aug13
1304-1122	Bid/Award Flex Bus Fabrication	50-50	0	0	0								19Aug13	30Sep13	19Aug13	30Sep13
1304-1124	Fab & Deliver Flex Bus	% Cmp	153	0	0								10Oct13	6Jan14	10Oct13	6Jan14

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1304-1130	Prep Req for Cu-Cr-Zr (C1815) for OTF Lead Ext	50-50	0	0	0								10Oct12	12Oct12	10Oct12	12Oct12
1304-1132	Bid/Award Cu-Cr-Zr for OTF Lead Ext	50-50	0	0	0								15Oct12	27Nov12	15Oct12	27Nov12
1304-1134	Fab & Del Cu-Cr-Zr for OTF Lead Ext	% Cmp	107	0	0								28Nov12	28Feb13	28Nov12	28Feb13
1304-1140	Prep Req for OTF Lead Ext (OTF to Flex)	50-50	0	0	0								4Sep12	17Sep12	4Sep12	17Sep12
1304-1142	Bid/Award OTF Lead Ext (OTF to Flex)	50-50	0	0	0								18Sep12	29Oct12	18Sep12	29Oct12
1304-1144	Fab & Del OTF Lead Ext (OTF% Cmp to Flex)		66	0	0								30Oct12	1Mar13	30Oct12	1Mar13
1304-1150	Prep ReqPrep Req for Supports for OTF Jumpers	50-50	0	0	0								10Oct12	12Oct12	10Oct12	12Oct12
1304-1152	Bid/Award Supports for OTF Jumpers	50-50	0	0	0								15Oct12	27Nov12	15Oct12	27Nov12
1304-1154	Fab/Deliver Supports for OTF Jumpers	% Cmp	66	0	0								28Nov12	28Feb13	28Nov12	28Feb13
1304-1160	Prep Req Lower TF Coil to Bus Jump & Supp	50-50	0	0	0								3Dec12	14Dec12	3Dec12	14Dec12
1304-1162	Bid/Award Lower TF Coil to Bus Jump & Supp	50-50	0	0	0								17Dec12	5Feb13	17Dec12	5Feb13
1304-1164	Fab & Deliver Lower TF Coil to% Cmp Bus Jump & Supp		31	0	0								6Feb13	2Apr13	6Feb13	2Apr13
1304-1170	Prep Spec for Super Bolts	50-50	0	0	0								3Sep13	16Sep13	3Sep13	16Sep13
1304-1172	Bid/Award Super Bolts	50-50	0	0	0								17Sep13	28Oct13	17Sep13	28Oct13
1304-1174	Fab & Deliver Super Nuts	% Cmp	205	0	0								29Oct13	31Mar14	29Oct13	31Mar14
1304-1180	Prep Req Joint Hardware	50-50	0	0	0								2Nov12	15Nov12	2Nov12	15Nov12
1304-1182	Bid/Award Joint Hardware	50-50	0	0	0								16Nov12	9Jan13	16Nov12	9Jan13
1304-1184	Fab & Deliver Joint Hardware	50-50	34	0	0								10Jan13	20Feb13	10Jan13	20Feb13
1304-1190	Prep Spec Copper for Lead Ext for Upper ITF	50-50	0	0	0								20Oct12	15Oct12	20Oct12	15Oct12
1304-1192	Bid/Award - Copper Lead Ext for Upper ITF	50-50	0	0	0								16Oct12	28Nov12	16Oct12	28Nov12
1304-1194	Fab & Deliver Copper Lead Ext for Upper ITF	% Cmp	35	0	0								29Nov12	1Mar13	29Nov12	1Mar13
1304-1210	Prep Req for Up/Lwr OF to TF Supp Struct	50-50	0	0	0								20Oct12	15Oct12	20Oct12	15Oct12
1304-1212	Bid/Award Up/Lwr OH to TF Supp Struct	50-50	0	0	0								16Oct12	28Nov12	16Oct12	28Nov12
1304-1214	Fab & Del Up/Lwr OH to TF Supp Struct	% Cmp	39	0	0								29Nov12	1Mar13	29Nov12	1Mar13

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							BCWP	ACWP	BCWS	BCWP	ACWP		Start	Finish	Start	Finish
1304-1220	Pre Req for Cooling Fittings	50-50	0	0	0								20Oct12	15Oct12	20Oct12	15Oct12
1304-1222	Bid/Award Cooling Fittings	50-50	0	0	0								16Oct12	28Nov12	16Oct12	28Nov12
1304-1224	Fab & Deliver Cooling Fittings	50-50	8	0	0								29Nov12	4Jan13	29Nov12	4Jan13
1304-1230	Prep Req for Tooling for Inst	50-50	0	0	0								20Oct12	15Oct12	20Oct12	15Oct12
	Flex Bus Segments															
1304-1232	Bid/Award-Tooling for Inst	50-50	0	0	0								16Oct12	28Nov12	16Oct12	28Nov12
	Flex Bus segments															
1304-1234	Fab/Del Tooling for Inst Flex	% Cmp	44	0	0								29Nov12	15Feb13	29Nov12	15Feb13
	Bus Segments															
1304-1240	Prep req for Up/Lwr Teeth	50-50	0	0	0								10Sep12	21Sep12	10Sep12	21Sep12
	Interf Struct															
1304-1242	Bid/Award Up/Lwr Teeth Interf	50-50	0	0	0								24Sep12	2Nov12	24Sep12	2Nov12
	Struct															
1304-1244	Fab & Deliver Up/Lwr Teeth	% Cmp	66	0	0								5Nov12	7Feb13	5Nov12	7Feb13
	Interf Struct															
FY101304	FY10 Actual Cost	% Cmp	104	0	100	104	104					Closed	1Dec09	30Apr10	1Dec09	30Apr10
FY101304A	FY10 Actual Cost	% Cmp	134	0	100	134	134					Closed	3May10	30Sep10	3May10	30Sep10
Cost Account Totals			2,594	3,356	30	1,182	796	809	33	9	4	Open	1Dec09	31Mar14	1Dec09	31Mar14
1.1 1305 Ohmic Heating Coil																
1304-1310	Inspect Machined TF	50-50	34	0	0								6Mar12	2Apr12	2Feb12	13Jul12
	Conductors															
1304-1330	Solder TF cooling tubes [40	% Cmp	125	0	0								3Apr12	13Jul12	2Mar12	22Aug12
	conductors]															
1304-1340	Cleanup TF conductors- post	% Cmp	69	0	0								17May12	10Aug12	11Apr12	28Sep12
	solder															
1304-1350	Sandblast TF conductor	% Cmp	69	0	0								13Aug12	8Oct12	16May12	26Oct12
	length for primer															
1304-1360	Apply primer [40 TF	50-50	8	0	0								9Oct12	15Oct12	14Jun12	28Nov12
	conductors]															
1304-1510	Supervise TF/OH Coil	LoE	211	0	0								20Oct12	19Sep13	18Jun12	4Jun13
	Manufacturing															
1304-1520	Apply turn insulation Quadrant	50-50	17	0	0								20Oct12	8Oct12	18Jun12	22Jun12
	#1															
1304-1530	Assemble Quadrant #1	50-50	44	0	0								9Oct12	22Oct12	25Jun12	9Jul12
1304-1540	Prepare VPI operation	50-50	10	0	0								23Oct12	25Oct12	10Jul12	12Jul12
1304-1550	VPI- fill quadrant	50-50	7	0	0								26Oct12	29Oct12	13Jul12	16Jul12
1304-1560	Cure VPI'd coil	50-50	7	0	0								30Oct12	8Nov12	17Jul12	26Jul12
1304-1570	Remove Quadrant #1 from	50-50	3	0	0								9Nov12	9Nov12	27Jul12	27Jul12
	mold															
1304-1580	Cleanup quadrant	50-50	3	0	0								12Nov12	13Nov12	30Jul12	31Jul12
1304-1590	Perform T/T electrical tests	50-50	1	0	0								14Nov12	14Nov12	1Aug12	1Aug12
1304-1620	Apply turn insulation Quadrant	50-50	17	0	0								15Nov12	21Nov12	2Aug12	8Aug12
	#2															

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1.8 8200 CS & Coil Sprt Structure Install																
8200-0002	Designs complete	M/S	0	0	0								3Apr12	3Apr12	3Apr12	3Apr12
8200-0003	Sequence complete	M/S	0	0	0								3Apr12	3Apr12	3Apr12	3Apr12
8200-0004	Parts arrived	M/S	0	0	0								3Apr12	3Apr12	3Apr12	3Apr12
8200-0005	Start procedural development	M/S	0	0	0								3Apr12	3Apr12	3Apr12	3Apr12
8200-0006	Mobilize crews	M/S	0	0	0								3Apr12	3Apr12	3Apr12	3Apr12
8200-0010	Shop Fabrication oversight 20% FTE for duration	LoE	152	0	0								3Apr12	30Sep14	3Apr12	230Sep14
8200-0011	Shop Fabrication support 1.5 FTE for duration	LoE	719	0	0								3Apr12	30Sep14	3Apr12	230Sep14
8200-0012	Assembly oversight prior to outage (fy10 & fy11)	LoE	63	0	87	55	55		3	3	Open		3May10	31Oct11	3May10	31Oct11
8200-0012A	Assembly oversight 1 FTE Engr	LoE	121	0	0								5Apr12	10Oct12	5Apr12	10Oct12
8200-0012B	Assembly oversight 0.6 FTE Engr	LoE	307	0	0								20Oct12	13Jan14	20Oct12	13Jan14
8200-0012C	Assembly oversight 1 FTE Engr	LoE	208	0	0								14Jan14	30Sep14	14Jan14	30Sep14
8200-0013	Assembly oversight 1 FTE SM	LoE	762	0	0								5Apr12	30Sep14	5Apr12	230Sep14
8200-0014	Title 3 Support Engineer	LoE	186	0	0								3Apr12	30Sep14	3Apr12	230Sep14
8200-0015	Title 3 Support Drafting	LoE	73	0	0								3Apr12	30Sep14	3Apr12	230Sep14
8200-0016	OT for efficiency (2 crews 1 weekend a month)	LoE	264	0	0								3Apr12	30Sep14	3Apr12	230Sep14
8200-0017	MISC M&S \$250 per day* 2 crews	LoE	212	0	0								3Apr12	30Sep14	3Apr12	230Sep14
8200-0020	PREPARE WORK PLANNING FORM	50-50	4	0	0								1Nov11	3Nov11	1Nov11	3Nov11
8200-0021	Fab/AssyInstallation Procedure	50-50	27	0	0								4Nov11	5Dec11	4Nov11	5Dec11
8200-0026	Perform bay by bay catalogue and label Elect	50-50	16	0	0								30Oct11	18Oct11	30Oct11	18Oct11
8200-0027	Perform bay by bay catalogue and label Mech	50-50	16	0	0								19Oct11	3Nov11	19Oct11	3Nov11
8200-0028	Write removal procedures	% Cmp	82	0	0								4Nov11	7Feb12	4Nov11	7Feb12
8200-0028A	RF Line develop as-built assy drawing	% Cmp	16	0	100			16				Closed	30Oct11	28Oct11	14Feb11	131May11
8200-0029	Remove RF pipes	50-50	154	0	0								3Apr12	30Apr12	3Apr12	30Apr12
8200-0030	Write Electrical Removal & Installation Procedur	50-50	13	0	0								30Oct11	28Oct11	30Oct11	28Oct11
8200-0031	Safe, remove and store Elect	50-50	32	0	0								3Apr12	23Apr12	3Apr12	23Apr12
8200-0032	Upper Tray remove and store Elect	50-50	43	0	0								24Apr12	21May12	24Apr12	21May12

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8200-0033	Remove and store Mech	50-50	43		0	0							22May12	5Jun12	22May12	5Jun12
8200-0034	Remove and store Upper and lower port eqpt	50-50	39		0	0							6Jun12	29Jun12	6Jun12	29Jun12
8200-0035	Remove section of platform	50-50	43		0	0							1Aug12	14Aug12	1Aug12	14Aug12
8200-0036	Fiducialize Coil and Vacuum vessel	50-50	45		0	0							15Aug12	12Sep12	15Aug12	12Sep12
8200-0039	Remove insulation	50-50	32		0	0							2Jul12	23Jul12	2Jul12	23Jul12
8200-0040	Gas Injection System	50-50	32		0	0							24Jul12	13Aug12	24Jul12	13Aug12
8200-0041	Disconnect trim coil and lock mode coil	50-50	4		0	0							14Aug12	15Aug12	14Aug12	15Aug12
8200-0042	Remove trim coil and lock mode coil	50-50	8		0	0							16Aug12	21Aug12	16Aug12	21Aug12
8200-0043	Clear platform and area to remove bad TF	50-50	21		0	0							22Aug12	5Sep12	22Aug12	5Sep12
8200-0044	Remove bad TF	50-50	21		0	0							6Sep12	12Sep12	6Sep12	12Sep12
8200-0048	Umbrella Lid Remove existing	50-50	6		0	0							13Sep12	13Sep12	13Sep12	13Sep12
8200-0048A	Umbrella lid weld new rim	50-50	30		0	0							27Sep13	14Oct13	27Sep13	14Oct13
8200-0049	VV Umbrella legs Weld reinforcement plates	50-50	55		0	0							15Oct13	15Nov13	15Oct13	15Nov13
8200-0050	VV umbrella legs Remove existing Hardware	50-50	11		0	0							18Nov13	22Nov13	18Nov13	22Nov13
8200-0051	Umbrella legs add reinforcement plate	50-50	11		0	0							25Nov13	3Dec13	25Nov13	3Dec13
8200-0052	TF Install Datums & Remove turnbuckles	50-50	17		0	0							25Mar13	3Apr13	25Mar13	3Apr13
8200-0052A	TF U&L Remove Existing clevis bolts	50-50	26		0	0							4Apr13	19Apr13	4Apr13	19Apr13
8200-0052B	TF reinforce clevis	50-50	26		0	0							22Apr13	7May13	22Apr13	7May13
8200-0052C	TF Install new TF wet layup & clamp	50-50	19		0	0							8May13	20May13	8May13	20May13
8200-0053	TF Install new clamps	50-50	26		0	0							21May13	6Jun13	21May13	6Jun13
8200-0054	TF Install Vessel Ties & Align	50-50	39		0	0							7Jun13	2Jul13	7Jun13	2Jul13
8200-0055	TF Install new hoop brace	50-50	26		0	0							3Jul13	22Jul13	3Jul13	22Jul13
8200-0056	TF Align and match drill new hoop brace	50-50	39		0	0							23Jul13	15Aug13	23Jul13	15Aug13
8200-0057	TF Install and torque all bolts	50-50	17		0	0							16Aug13	27Aug13	16Aug13	27Aug13
8200-0058	Design & build lifting method	50-50	111		0	0							30Oct11	24Oct11	30Oct11	24Oct11
8200-0059	PF2 Mark Location: lift and support	50-50	2		0	0							14Sep12	14Sep12	14Sep12	14Sep12
8200-0060	PF2 Replace existing hardware (bolted)	50-50	2		0	0							26Nov12	26Nov12	26Nov12	26Nov12
8200-0061	PF2 Install New plates (bolted)	50-50	8		0	0							27Nov12	30Nov12	27Nov12	30Nov12

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Cost Account/ Work Package	Description	PMT	BAC	EAC	% Comp	BCWS	Cumulative		Current Period			Status	Scheduled		Act/Est	
							BCWP	ACWP	BCWS	BCWP	ACWP		Start	Finish	Start	Finish
8200-0062	PF2 weld reinforcement	50-50	17		0	0							3Dec12	12Dec12	3Dec12	12Dec12
8200-0063	PF2 Reinstall & Realign	50-50	4		0	0							13Dec12	14Dec12	13Dec12	14Dec12
8200-0064	PF3 lift and support	50-50	4		0	0							17Dec12	18Dec12	17Dec12	18Dec12
8200-0065	PF3 remove bolted support	50-50	2		0	0							19Dec12	19Dec12	19Dec12	19Dec12
8200-0066	PF3 Install new bolted support	50-50	17		0	0							20Dec12	9Jan13	20Dec12	9Jan13
8200-0067	PF3 weld reinforcement	50-50	39		0	0							10Jan13	4Feb13	10Jan13	4Feb13
8200-0068	PF3 Reinstall & Realign	50-50	8		0	0							5Feb13	7Feb13	5Feb13	7Feb13
8200-0069	PF5U/L Disconnect existing midplane columns	50-50	8		0	0							10Jan13	15Jan13	10Jan13	15Jan13
8200-0070	PF4, 5 lift and install 1/4" plate	50-50	17		0	0							16Jan13	25Jan13	16Jan13	25Jan13
8200-0071	PF4, 5 Install newbolts and torque	50-50	13		0	0							28Jan13	4Feb13	28Jan13	4Feb13
8200-0072	Prefit &match drill new umbrella lid	50-50	44		0	0							5Feb13	18Feb13	5Feb13	18Feb13
8200-0076	Umbrella Lid Remove existing	50-50	4		0	0							27Nov12	27Nov12	27Nov12	27Nov12
8200-0076A	Umbrella Lid weld new rim	50-50	29		0	0							24Jun13	11Jul13	24Jun13	11Jul13
8200-0077	TF Install new clamps	50-50	27		0	0							10Oct13	16Oct13	10Oct13	16Oct13
8200-0078	TF Install Vessel ties & Align	50-50	41		0	0							17Oct13	11Nov13	17Oct13	11Nov13
8200-0079	TF Install new hoop brace	50-50	27		0	0							12Nov13	27Nov13	12Nov13	27Nov13
8200-0080	TF Align and match drill new hoop brace	50-50	41		0	0							2Dec13	6Jan14	2Dec13	6Jan14
8200-0081	TF Install and torque all bolts	50-50	18		0	0							7Jan14	16Jan14	7Jan14	16Jan14
8200-0082	PF2 Mark location; lower and support	50-50	4		0	0							28Nov12	29Nov12	28Nov12	29Nov12
8200-0083	PF2 Replace existing hardware (bolted)	50-50	2		0	0							1Apr13	1Apr13	1Apr13	1Apr13
8200-0084	PF2 Install New plates (bolted)	50-50	8		0	0							2Apr13	5Apr13	2Apr13	5Apr13
8200-0085	PF2 weld reinforcement	50-50	17		0	0							8Apr13	17Apr13	8Apr13	17Apr13
8200-0086	PF2 Reinstall	50-50	4		0	0							18Apr13	19Apr13	18Apr13	19Apr13
8200-0087	PF3 lower and support	50-50	4		0	0							22Apr13	23Apr13	22Apr13	23Apr13
8200-0088	PF3 remove bolted support	50-50	2		0	0							24Apr13	24Apr13	24Apr13	24Apr13
8200-0089	PF3 Install new bolted support	50-50	17		0	0							25Apr13	6May13	25Apr13	6May13
8200-0090	PF3 weld reinforcement	50-50	39		0	0							7May13	31May13	7May13	31May13
8200-0091	PF3 Reinstall & Align	50-50	6		0	0							3Jun13	5Jun13	3Jun13	5Jun13
8200-0092	PF4, 5 lower and install 1/4" plate	50-50	17		0	0							6Jun13	21Jun13	6Jun13	21Jun13
8200-0093	PF4, 5 Install new bolts and torque	50-50	13		0	0							24Jun13	1Jul13	24Jun13	1Jul13
8200-0094	PF4 Install new clamps	50-50	26		0	0							2Jul13	19Jul13	2Jul13	19Jul13
8200-0095	PF5 U&L Reconnect & Install New Interstitial	50-50	13		0	0							22Jul13	29Jul13	22Jul13	29Jul13
8200-0095A	TF Reinforce clevis	50-50	26		0	0							30Jul13	14Aug13	30Jul13	14Aug13

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							BCWP	ACWP	BCWS	BCWP	ACWP		Start	Finish	Start	Finish
8200-0095B	TF Install new TF wet layup & clamp	50-50	19	0	0								15Aug13	27Aug13	15Aug13	27Aug13
8200-0096	VV Umbrella legs Weld reinforcement plate	50-50	53	0	0								28Aug13	1Oct13	28Aug13	1Oct13
8200-0097	Umbrella leg Remove Existing hardware	50-50	11	0	0								2Oct13	8Oct13	2Oct13	8Oct13
8200-0098	Umbrella legs Add reinforcement plate	50-50	18	0	0								9Oct13	18Oct13	9Oct13	18Oct13
8200-0099	TF Install New Coil	50-50	90	0	0								21Oct13	25Oct13	21Oct13	25Oct13
8200-0100	Prefit & Match Drill New Umbrella Lid	50-50	45	0	0								28Oct13	8Nov13	28Oct13	8Nov13
8200-0101	VV Legs Reinforcements Plate	50-50	18	0	0								11Nov13	20Nov13	11Nov13	20Nov13
8200-0102	Reinstall platform sections	50-50	36	0	0								17Jan14	28Jan14	17Jan14	28Jan14
8200-0105	Map internal targets to external	50-50	37	0	0								21Nov13	6Dec13	21Nov13	6Dec13
8200-0106	Verify Vessel Alignemnt targets	50-50	37	0	0								9Dec13	20Dec13	9Dec13	20Dec13
8200-0107	Verify Coil Alignment Targets	50-50	75	0	0								2Jan14	29Jan14	2Jan14	29Jan14
8200-0108	Adjust vessel Internals	50-50	112	0	0								30Jan14	12Mar14	30Jan14	12Mar14
8200-0109	Adjust TF Coils	50-50	15	0	0								13Mar14	18Mar14	13Mar14	18Mar14
8200-0110	Adjust PF Coils	50-50	22	0	0								19Mar14	26Mar14	19Mar14	26Mar14
8200-0112	Fit and Install PF 1a, 1b, 1c U&L buswork	50-50	34	0	0								2Oct13	22Oct13	2Oct13	22Oct13
8200-0113	Fit and Install OH U&L buswork	50-50	34	0	0								23Oct13	12Nov13	23Oct13	12Nov13
8200-0114	Install CHI & Ring bus	50-50	18	0	0								13Nov13	22Nov13	13Nov13	22Nov13
8200-0115	Install TF coil cooling system (72)	50-50	6	0	0								25Nov13	27Nov13	25Nov13	27Nov13
8200-0116	Install Inboard Divertor heating/cooling system	50-50	34	0	0								2Dec13	20Dec13	2Dec13	20Dec13
8200-0117	New TF air cooled bus and support system	50-50	57	0	0								2Jan14	5Feb14	2Jan14	5Feb14
8200-0120	Gas Injection System	50-50	68	0	0								10Apr14	30Apr14	24Mar14	11Apr14
8200-0121	Reinstall insulation	50-50	22	0	0								1May14	14May14	14Apr14	25Apr14
8200-0122	Platform areas reinstall	50-50	45	0	0								15May14	29May14	28Apr14	9May14
8200-0123	Heating Manifold Reconfigure	50-50	56	0	0								6Feb14	19Feb14	6Feb14	19Feb14
8200-0124	Re-install RF pipes	50-50	243	0	0								15May14	26Jun14	28Apr14	9Jun14
8200-0125	Reinstall electrical Tray	% Cmp	91	0	0								30May14	25Jul14	12May14	8Jul14
8200-0130	Perform bay by bay review Elect	50-50	7	0	0								27Mar14	28Mar14	27Mar14	28Mar14
8200-0131	Perform bay by bay review Mech	50-50	7	0	0								31Mar14	1Apr14	31Mar14	1Apr14

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							BCWP	ACWP	BCWS	BCWP	ACWP		Start	Finish	Start	Finish
8200-0132	Write reinstallation procedures	50-50	18		0 0								2Apr14	8Apr14	2Apr14	8Apr14
8200-0133	Reinstall Mech	50-50	36		0 0								9Apr14	22Apr14	9Apr14	22Apr14
8200-0134	Reinstall Upper and lower port Eqpt	50-50	66		0 0								23Apr14	16May14	23Apr14	16May14
8200-0135	Reinstall Elect	50-50	22		0 0								28Jul14	8Aug14	9Jul14	22Jul14
8200-0136	Testing	50-50	22		0 0								11Aug14	22Aug14	23Jul14	5Aug14
8200-1001	Remove LLD	% Cmp	43		0 0								13Sep12	10Oct12	13Sep12	10Oct12
8200-1004	Machine original OD tiles for Diag sensors	% Cmp	9		0 0								10Oct13	14Oct13	10Oct13	14Oct13
8200-1008	Re-install Diag sensors into original OD tiles	% Cmp	22		0 0								15Oct13	28Oct13	15Oct13	28Oct13
8200-1012	Install original OD tiles and supports	% Cmp	45		0 0								10Apr14	7May14	24Mar14	18Apr14
FY108200	FY10 Actual Cost	% Cmp	19		0 100	19	19					Closed	2Nov09	30Apr10	2Nov09	30Apr10
FY108200A	FY10 Actual Cost	% Cmp	6		0 100	6	6					Closed	3May10	30Sep10	3May10	30Sep10
Cost Account Totals			6,474	6,815	1	80	97	89	3	3	7	Open	2Nov09	30Sep14	2Nov09	30Sep14
1.8 8250 Remove/Install Centerstack																
8250-101	Disconnect Hoses	50-50	4		0 0								2Jan13	2Jan13	2Jan13	2Jan13
8250-105	Remove umbrella lid (top and bottom)	50-50	4		0 0								3Jan13	3Jan13	3Jan13	3Jan13
8250-109	Remove flex bus (top and bottom)	50-50	40		0 0								4Jan13	11Jan13	4Jan13	11Jan13
8250-113	Support lower support structure	50-50	26		0 0								14Jan13	17Jan13	14Jan13	17Jan13
8250-117	lift old centerstack	50-50	13		0 0								18Jan13	21Jan13	18Jan13	21Jan13
8250-121	Remove old centerstack pedestal	50-50	20		0 0								22Jan13	28Jan13	22Jan13	28Jan13
8250-122	Purchase passive plate bolts	% Cmp	63		0 0								17Oct12	28Jan13	17Oct12	28Jan13
8250-122A	Replace mounting bolts for passive plates	% Cmp	85		0 0								29Jan13	22Apr13	29Jan13	22Apr13
8250-123	Dsgn Lift Fixture for new centerstack pedestal	% Cmp	106		0 0								10Oct12	28Mar13	10Oct12	28Mar13
8250-124	Fab Lift Fixture for new centerstack pedestal	% Cmp	68		0 0								10Oct13	20Jan14	10Oct13	20Jan14
8250-125	Install new centerstack pedestal	50-50	46		0 0								21Jan14	3Feb14	4Mar14	17Mar14
8250-129	Lift in new centerstack (2 times)	50-50	27		0 0								4Apr14	9Apr14	18Mar14	21Mar14
8250-133	Check vacuum seals	50-50	21		0 0								10Apr14	16Apr14	24Mar14	28Mar14
8250-137	Install new flex bus (3 times w/2 re-machinings)	50-50	190		0 0								17Apr14	23May14	1Apr14	7May14
8250-141	Install new umbrella (3 times w/2 re-machinings)	50-50	41		0 0								27May14	3Jun14	8May14	15May14

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							BCWP	ACWP	BCWS	BCWP	ACWP		Start	Finish	Start	Finish
8250-145	Clean, Photo, Close VV	50-50	79	0	0								6Jun14	18Jun14	27May14	6Jun14
8250-149	Pumpdown	50-50	6	0	0								19Jun14	19Jun14	9Jun14	9Jun14
8250-153	Leak check	50-50	83	0	0								20Jun14	8Jul14	10Jun14	25Jun14
8250-157	Setup for Bakeout	50-50	34	0	0								9Jul14	15Jul14	26Jun14	2Jul14
8250-161	Rayleigh/Raman Scattering	50-50	16	0	0								16Jul14	22Jul14	3Jul14	10Jul14
8250-165	Bakeout	50-50	140	0	0								23Jul14	13Aug14	6Aug14	27Aug14
8250-169	Recover from bakeout & scrub	50-50	48	0	0								14Aug14	22Aug14	28Aug14	8Sep14
8250-173	Ready for ISTP	M/S	0	0	0								22Aug14	22Aug14	8Sep14	8Sep14
Cost Account Totals			1,173	1,156	0								1Oct12	22Aug14	1Oct12	8Sep14
Report Totals:			77,317	80,714	0	21,655	20,677	20,250	588	374	792					