

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	ECP-53	ECP-52 (note; may be incomplete see RLS)	FY07												FY08												FY09																							
									O				N				D				J				O				N				D				J				O				N				D				J			
									F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S				

cc 9450 - NCSX Fabrication (MIE)

12 - Vacuum Vessel Systems

Job: 1204 - VV Sys Procurements (nonVSA)-DUDEK

VV Vertical Supports

124-037	PPPL Fab VV Vert. Supports (log # M1091)	01DEC05A	197*	14SEP07		132	62,196.54	62,767.98	em/tb=768																																			
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VV Lateral Supports

124-030L	SPEA VV Lateral Supports WBS 124	02APR07*	43	31MAY07		146	0.00	0.00	em/tb=400																																			
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124-036.9L	Award VV Lateral Supports WBS 124		0	31MAY07*		146	0.00	0.00																																				
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124-037L	VV Lateral Supports Fab by PPPL WBS 124	01JUN07	60	24AUG07		146	31,332.00	33,288.00																																				
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VV Personnel Access Port

124-110	SPEA VV NB port cover	01AUG07	43	01OCT07		119	0.00	0.00	41=\$59.67																																			
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124-120	Award VV NB port cover		0	01OCT07*		119	0.00	0.00																																				
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124-130	VV NB port cover Fabrication (for 3 inconnel	02OCT07	65	11JAN08		119	83,836.35	83,836.35																																				
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VV Heating/Cooling Tubing

123-037	Fabricate and Deliver H/C Tubing WBS 123	02OCT06*	20	27OCT06		234	58,860.00	61,695.00	tubing = 30; brackets=15																																			
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123-037X	Fabricate and Deliver Saddle/clamp hardware	02OCT06*	20	27OCT06		729	65,400.00	68,550.00	m&s=\$50k																																			
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VV Local I&C

125-037	Issue req, Award & fab local I&C WBS 125	01NOV06*	60	02FEB07		201	5,886.00	6,169.50	41=4.5\$k ;																																			
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Thermal Insulation

123-040	Issue RFQ & Select Vendor insul boots WBS 122	01AUG07*	43	01OCT07		205	0.00	0.00	41=55																																			
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123-045	Award Insulation Boots WBS 122		0	01OCT07		205	0.00	0.00																																				
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123-050	Fabricate& Deliver Insul Boots WBS 122	02OCT07	130	11APR08		205	77,275.00	77,275.00	41=55																																			
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122-035	SPEA Port Thermal Insulation	01JUN07*	43	01AUG07		142	0.00	0.00	41=\$25																																			
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122-041	Award Port Thermal Insulation		0	01AUG07		142	0.00	0.00																																				
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122-051	Deliver Port Thermal Insulation	02AUG07	89	07DEC07		142	35,125.00	34,733.43	41=45																																			
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122-030	SPEA Pourable Insulation	03DEC07*	43	08FEB08		166	0.00	0.00																																				
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122-036.9	Award Pourable Insulation		0	08FEB08		166	0.00	0.00																																				
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122-037	Deliver Pourable Insulation	11FEB08	89	13JUN08		166	63,225.00	63,225.00																																				
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122-031	Title III engr WBS 12 non vvsA PPPL	01FEB06A	669*	30SEP08		250	3,599.01	3,918.71	Dudek=22hr ; Goranson =24																																			
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122-033	Title III engr WBS 12 non vvsA ORNL FY07	02OCT06*	249*	28SEP07		500	33,402.60	34,036.20	Goranson =100hr ; McGinnis=98																																			
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13 - Conventional Coils

Job: 1351 - TF Coil Fabr Supplies-KALISH

TF Materials & Supplies

1351-534	PPPL Fabricate Lead Spurs (M1319)	01MAY06A	110*	31OCT06		727	27,071.01	27,278.21	em/tb=248; ea/em =40																																			
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Job: 1361 - TF Fabrication-KALISH

TF Title III and Fabrication Oversight

1301FD-05	Anaylsis Check	01MAR05A	423*	31OCT06		727	27,399.08	27,374.70	Dahlgren=160																																			
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131-033	Title III engr	02OCT06	247*	26SEP07		502	193,879.43	190,922.37	Kalish=1003.83 travel=\$7k																																			
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Run Date 01FEB07 09:46

	ECP53 BASELINE
	Progress Bar
	Critical Activity

EC53



NCSX
ECP-53
BASELINE SCHEDULE

Sheet 1 of 37

PRELIMINARY 2/1/07

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	ECP-53	ECP-52 (note; may be incomplete see RLS)	FY07												FY08												FY09											
									FY07				FY08				FY09				FY08				FY09				FY09															
									O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
TF Fabrication Contract																																												
1361C-005	Tooling	28APR06A	143*	14NOV06		742	252,858.71	255,485.85	41=\$186.345																																			
1361C-009	Tooling (Climax)	02OCT06*	11*	16OCT06		763	75,000.00	75,000.00	48=\$75																																			
1361C-010	Wedge Material (2)	02OCT06*	228	20AUG07		546	222,042.28	230,384.11	41=\$132.41; 48=\$48.85																																			
1361C-101	Fab, Test & Deliver Coil #1	14NOV06	76*	28FEB07		667	47,210.00	47,210.00	48=\$47.21																																			
1361C-102	Fab, Test & Deliver Coil #2	02JAN07	54*	16MAR07		655	47,210.00	47,210.00	48=\$47.21																																			
1361C-103	Fab, Test & Deliver Coil #3	15JAN07	55*	30MAR07		645	47,210.00	47,210.00	48=\$47.21																																			
1361C-104	Fab, Test & Deliver Coil #4	26MAR07*	13	11APR07		196	47,210.00	47,210.00	48=\$47.21																																			
1361C-105	Fab, Test & Deliver Coil #5	16APR07*	13	02MAY07		194	47,210.00	47,210.00	48=\$47.21																																			
1361C-106	Fab, Test & Deliver Coil #6	03MAY07*	13	21MAY07		194	47,210.00	47,210.00	48=\$47.21																																			
1361C-107	Fab, Test & Deliver Coil #7	22MAY07*	13	08JUN07		194	47,210.00	47,210.00	48=\$47.21																																			
1361C-108	Fab, Test & Deliver Coil #8	11JUN07*	13	27JUN07		194	47,210.00	47,210.00	48=\$47.21																																			
1361C-109	Fab, Test & Deliver Coil #9	28JUN07*	13	17JUL07		194	47,210.00	47,210.00	48=\$47.21																																			
1361C-110	Fab, Test & Deliver Coil #10	18JUL07*	13	03AUG07		194	47,210.00	47,210.00	48=\$47.21																																			
1361C-111	Fab, Test & Deliver Coil #11	06AUG07*	13	22AUG07		194	47,210.00	47,210.00	48=\$47.21																																			
1361C-112	Fab, Test & Deliver Coil #12	23AUG07*	13	11SEP07		194	47,210.00	47,210.00	48=\$47.21																																			
1361C-113	Fab, Test & Deliver Coil #13	12SEP07*	13	28SEP07		194	47,210.00	47,210.00	48=\$47.21																																			
1361C-114	Fab, Test & Deliver Coil #14	01OCT07*	13	17OCT07		194	47,210.00	47,210.00	48=\$47.21																																			
1361C-115	Fab, Test & Deliver Coil #15	18OCT07*	13	05NOV07		194	47,220.00	47,220.00	48=\$47.21																																			
1361C-116	Fab, Test & Deliver Coil #16	06NOV07*	13	22NOV07		194	47,220.00	47,220.00	48=\$47.21																																			
1361C-117	Fab, Test & Deliver Coil #17	23NOV07*	13	12DEC07		194	47,220.00	47,220.00	48=\$47.21																																			
1361C-118	Fab, Test & Deliver Coil #18	13DEC07*	13	02JAN08		194	47,220.00	47,220.00	48=\$47.21																																			
1351-195X	ALL TF COILS DELIVERED			02JAN08		453	0.00	0.00	<p>*****</p> <p>ALL TF COILS DELIVERED DOE LEVEL 2 MILESTONE PEP DATE = AUGUST 2008</p> <p>*****</p>																																			
+ TF Fabrication (Everson internal schedule)																																												
		22MAY06A	224	30MAR07		645	0.00	0.00																																				
FY07 Rebaseline Exercise																																												
ECP53RBX03	FY07 Rebaseline exercise	01FEB07*	85*	31MAY07	007012	584	1,446.32	0.00	EA/EM =08hr ;																																			
Job: 1302 - PF Design -KALISH																																												
FY07 Rebaseline Exercise																																												
ECP53RBX02	FY07 Rebaseline exercise	01FEB07*	85*	31MAY07	007012	584	14,463.20	0.00	EA/EM =80hr ;																																			
1302-200	Complete PF Coil SRD	04JUN07*	20	29JUN07		106	1,807.90	1,778.60	kalish=10																																			
1302-205	Update PF Analysis	02JUL07	40	27AUG07		106	14,824.78	14,584.52	kalish=16																																			
1302-210	PF Coil ICD	02JUL07	40	27AUG07		126	1,807.90	1,778.60	kalish=10																																			
1302-215	Complete PDR PF DwgS	28AUG07	20	25SEP07		106	9,039.50	8,893.00	kalish= 10; rushinski= 40 ;																																			
1302-220	Prepare for PDR	28AUG07	10	11SEP07		116	11,570.56	11,383.04	kalish= 40; rushinski= 16 ; analyst=8																																			
1302-225	PDR	26SEP07	1	26SEP07		106	4,338.96	4,268.64	kalish= 8; rushinski= 8 ; analyst=8																																			

Run Date 01FEB07 09:46

 ECP53 BASELINE
 Progress Bar
 Critical Activity

ECP53




NCSX
ECP-53
BASELINE SCHEDULE

Sheet 2 of 37

PRELIMINARY 2/1/07

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	ECP-53	ECP-52 (note; may be incomplete see RLS)	FY07												FY08												FY09																																																																											
									O				N				D				J				F				M				O				N				D				J				F				M				O				N				D				J				F				M				A				M				J				J				A				S				C			
184-015	Title III WBS 133 Rxt Trim Coils	11JAN08	147	06AUG08		288	28,292.77	27,479.65	Rushinski=26;Kalish=95;;35=\$3k																																																																																																			
Job: 1353 - CS Structure Procurement-DAHLGREN																																																																																																												
CS Support Structure																																																																																																												
163-035	Bid & Award CS Support Struct	27JUL07	45	28SEP07		148	0.00	0.00	[Bar]																																																																																																			
163-036.9	Award CS Support Structure		0	01OCT07*		147	0.00	0.00	[Bar]																																																																																																			
163-037	CS Support Structure Procurement/Fab	02OCT07*	190	08JUL08		147	62,596.00	62,123.41	[Bar] 41=\$42; 35=\$2 k																																																																																																			
163-015	Title III design CS sprt struc	01OCT07*	248	26SEP08		252	63,060.21	60,491.50	[Bar] Kalish=250;Rushinski=83																																																																																																			
Job: 1355 - WBS 13 I&C Proc and Coil Assy-KALISH																																																																																																												
TF/PF Loacl I&C																																																																																																												
133-015	Title III WBS 134 Conv Coil I&C	01OCT07*	130	10APR08		370	1,514.96	1,461.20	[Bar];Kalish=2;Rushinski=6																																																																																																			
133-037	Conv Coil I&C WBS 134 Proc & Install	01OCT07*	130	10APR08		211	69,778.19	71,432.82	[Bar] 41=9.2\$;em/sm=123;em/tb=491																																																																																																			
1355-100	CS and PF 1a Pre-Assy incl coil I&C procurement	09JUL08	15	29JUL08		147	19,692.00	20,510.40	[Bar] em/tb=240																																																																																																			
14 - Modular Coils																																																																																																												
Job: 1416 - Mod Coil Type AB Fnl Dsn-WILLIAMSON																																																																																																												
Winding and Assembly Design-Type A																																																																																																												
1416A-225	I&C-Rogowski Coils	03MAR06A	188*	10OCT06A			2,024.40	2,024.40	LOVETT =12hr ;																																																																																																			
Clamp hardware modifications																																																																																																												
1416-201	Evaluate and select clamp hardware modifications	01NOV06*	10	14NOV06		143	5,008.00	5,673.60	[Bar] Dudek=32hr ;																																																																																																			
1416-202	Revise assembly models/drawings	22NOV06	5	30NOV06		143	5,008.00	5,673.60	[Bar] dudek=32																																																																																																			
1416-203	Prepare part dwgs / procurement documentation	15NOV06	5	21NOV06		143	2,504.00	2,836.80	[Bar] dudek=16																																																																																																			
1416-204	Review and approve clamp hardware modifications	01DEC06	10	14DEC06		143	5,008.00	5,673.60	[Bar] dudek =32hr ;																																																																																																			
1416-204.1	Modify Type-B clamps for stud attachment	01DEC06A	95*	20APR07		88	15,906.80	0.00	[Bar] EM/TB =160hr ; ORNLEM =20hr ;																																																																																																			
Blanket thermal insulation																																																																																																												
1416-301	Investigate blanket insulation requirements and	01NOV06*	15	21NOV06		98	10,796.80	11,001.60	[Bar] FOGARTY =32hr ; GORANSON =32hr ;																																																																																																			
1416-302	Prepare and test install insulation m-u on coil	22NOV06	50*	09FEB07		98	2,220.60	16,502.40	[Bar] 41=5; em/tb=20																																																																																																			
1416-303	Parts info for drawing BOM	12FEB07*	5	16FEB07		98	1,687.00	5,500.80	[Bar] WILLIAMSON =10																																																																																																			
1416-304	Revise assembly models/drawings	19FEB07	5	23FEB07		98	3,374.00	11,001.60	[Bar] ornlem=20																																																																																																			
1416-305	Review and approve insulation concept	26FEB07	5	02MAR07		98	3,494.90	5,500.80	[Bar] GORANSON =10;ea/em=10																																																																																																			
1416-3186	Test Nomex Batt material	08JAN07*	10	19JAN07		98	5,639.76	0.00	[Bar] CIEBERA =24hr ; DODSON =24hr ; LANGISH =24hr ;																																																																																																			
1416-3190	Write Report	22JAN07	5	26JAN07		98	626.64	0.00	[Bar] DODSON =08hr ;																																																																																																			
1416-3192	Develop Adhesion Method	29JAN07	5	02FEB07		98	3,130.64	0.00	[Bar] DUDEK =16hr ; KEARNS =08hr ;																																																																																																			
1416-3195	Test Adhesion Method on Coil	05FEB07	10	16FEB07		98	5,635.92	0.00	[Bar] DUDEK =24hr ; KEARNS =24hr ;																																																																																																			
1416-3198	Report Results	19FEB07	10	02MAR07		98	1,252.00	0.00	[Bar] DUDEK =08hr ;																																																																																																			
1416-3200	Procure Materials for Batt Insulation Installati	05MAR07	30	13APR07		98	41,484.00	0.00	[Bar] DUDEK =240hr ; M&S (\$) =03\$;k ;																																																																																																			
1416-3203	Batts available for installation		0	13APR07		98	0.00	0.00	[Bar]																																																																																																			
Fiber optic gage qualification																																																																																																												
1416-401	Perform LN2 adhesion tests	02OCT06	16	23OCT06		160	10,796.80	10,988.80	[Bar] FREUDENBERG =64hr ;																																																																																																			
1416-402	Prepare purchase req for gages, adhesive	24OCT06	5	30OCT06		185	2,699.20	2,750.40	[Bar] WILLIAMSON =16hr ; FREUDENBERG =0hr ;																																																																																																			
1416-403	Perform strain cycle tests	24OCT06	30	06DEC06		160	16,195.20	16,502.40	[Bar] FREUDENBERG =96hr ;																																																																																																			

Run Date 01FEB07 09:46

 ECP53 BASELINE
 Progress Bar
 Critical Activity

EC53

NCSX
ECP-53
BASELINE SCHEDULE

Sheet 4 of 37

PRELIMINARY 2/1/07

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days=1 mo.)	ECP-53	ECP-52 (note; may be incomplete see RLS)	FY07												FY08												FY09											
									FY07				FY08				FY09				FY07				FY08				FY09															
									O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
1416-404	Review and approve fiber optic gage qualificatio	07DEC06	30	25JAN07		160	3,374.00	5,500.80	H WILLIAMSON =20																																			
Top level assy models/drawings																																												
1416-405	Complete layout of T/Cs and strain gages	24JAN07*	5	30JAN07		670	7,254.10	5,500.80	L LOVETT =10hr ; WILLIAMSON =33hr ;																																			
1416-501	Complete models/drawings of coolant line routing	30OCT06*	65*	07FEB07		664	14,508.20	5,497.35	H ORNLEM =20hr ; WILLIAMSON =66hr ;																																			
1416-502	Check layout of flux loop terminations and revis	13NOV06*	55*	07FEB07		664	7,254.10	2,753.85	H LOVETT =10hr ; WILLIAMSON =33hr ;																																			
1416-503	Complete models/drawings of power cable connect	20NOV06*	60*	21FEB07		654	14,508.20	5,497.35	H LOVETT =20hr ; WILLIAMSON =66hr ;																																			
1416-504	Complete models/drawings of protective covers	06DEC06*	50*	21FEB07		654	7,254.10	2,753.85	H LOVETT =10hr ; WILLIAMSON =33hr ;																																			
1416-505	Drawing callouts for interface hdw (prelim model	13DEC06*	45*	21FEB07		654	14,508.20	2,753.85	H LOVETT =20hr ; WILLIAMSON =66hr ;																																			
1416-506	Check and promote top-level models/drawings	19FEB07*	8*	28FEB07		627	12,315.10	11,001.60	L COLE =40hr ; WILLIAMSON =33hr ;																																			
1416-507	Update, review and approve coil asm spec	01FEB07*	20*	28FEB07		649	14,508.20	5,500.80	H ORNLEM =20hr ; WILLIAMSON =66hr ;																																			
1416-508	Complete drawing rev to leads, terminal asm (ECN	01FEB07*	20*	28FEB07		649	8,435.00	5,500.80	H LOVETT =10hr ; WILLIAMSON =40hr ;																																			
Analysis and closeout documentation																																												
1416-601	Prepare EM and structural analysis of leads	01FEB07*	15*	21FEB07		654	34,711.68	34,149.12	H reiersen =192hr ;																																			
1416-602	Design memo KF structural analysis	01FEB07*	12*	16FEB07		657	2,699.20	2,750.40	H FREUDENBERG =16hr ;																																			
1416-603	Update, review and approve FMECA	01FEB07*	12*	16FEB07		657	5,398.40	5,500.80	H WILLIAMSON =32hr ;																																			
1416-604	Finalize draft documents - materials, eddy curre	01FEB07*	22*	02MAR07		647	2,699.20	2,750.40	H WILLIAMSON =16hr ;																																			
1416-605	Prepare Type-ABC closeout FDR	01MAR07*	7*	09MAR07		627	5,398.40	5,500.80	H WILLIAMSON =32hr ;																																			
1416-606	Resolve FDR comments	12MAR07	15	30MAR07		627	5,398.40	5,500.80	H WILLIAMSON =32hr ;																																			
FY07 Rebaseline Exercise																																												
ECP53RBX04	FY07 Rebaseline exercise	01FEB07*	85*	31MAY07		584	1,349.60	0.00	H ORNLEM =08hr ;																																			
Type C Design Closeout																																												
1403-47C	Perform cool-down/warmup analysis	31AUG07*	26	08OCT07		494	7,310.80	7,114.40	H fan=40																																			
Job: 1408 - MC Winding Supplies-CHRZANOWSKI																																												
Cladding																																												
1408-537	Fabr Cladding Type B for Coil b1	01SEP06A	43*	01NOV06		114	5,884.13	6,032.40	H 41=\$4.4k																																			
1408-539	Fabr Cladding Type B for Coil b2	01SEP06A	43*	01NOV06		160	5,884.13	6,032.40	H 41=\$4.4k																																			
1408-541	Fabr Cladding Type B for Coil b3	01SEP06A	43*	01NOV06		179	5,884.13	6,032.40	H 41=\$4.4k																																			
1408-543	Fabr Cladding Type B for Coil b4	01SEP06A	43*	01NOV06		206	5,884.13	6,032.40	H 41=\$4.4k																																			
1408-545	Fabr Cladding Type B for Coil b5	01SEP06A	43*	01NOV06		225	5,884.13	6,032.40	H 41=\$4.4k																																			
1408-547	Fabr Cladding Type B for Coil b6	01SEP06A	43*	01NOV06		252	5,884.13	6,032.40	H 41=\$4.4k																																			
Lead hardware & Fillers																																												
1408-737	Fabr Lead HW Type B for Coil b1	23JUN06A	92*	01NOV06		121	25,885.28	26,186.10	H M&S = \$19.1k																																			
1408-739	Fabr Lead HW Type B for Coil b2	23JUN06A	92*	01NOV06		278	25,885.28	26,186.10	H M&S = \$19.1k																																			
1408-741	Fabr Lead HW Type B for Coil b3	23JUN06A	92*	01NOV06		186	25,885.28	26,186.10	H M&S = \$19.1k																																			
1408-743	Fabr Lead HW Type B for Coil b4	23JUN06A	92*	01NOV06		213	25,885.28	26,186.10	H M&S = \$19.1k																																			
1408-745	Fabr Lead HW Type B for Coil b5	23JUN06A	92*	01NOV06		232	25,885.28	26,186.10	H M&S = \$19.1k																																			
1408-747	Fabr Lead HW Type B for Coil b6	23JUN06A	92*	01NOV06		259	25,885.28	26,186.10	H M&S = \$19.1k																																			

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	ECP-53	ECP-52 (note; may be incomplete see RLS)	FY07												FY08												FY09											
									O N D J				F M A M				J J A S				O N D J				F M A M				J J A S				O N D J				F M A M				J J A S			
									O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
MCWF-511	B4-MTM - machining/inspection	26MAY06A	156*	15JAN07		156	167,910.00	167,910.00	[Bar chart showing activity progress from May 2006 to Jan 2007]																																			
MCWF-521	B4-Receive at PPPL		0	16JAN07		156	71,000.00	71,000.00	[Bar chart showing activity progress from Jan 2007]																																			
MCWF-541	B5-MTM - machining/inspection	31JUL06A	142*	14FEB07		153	167,910.00	167,910.00	[Bar chart showing activity progress from Jul 2006 to Feb 2007]																																			
MCWF-551	B5-Receive at PPPL		0	15FEB07		153	11,000.00	11,000.00	[Bar chart showing activity progress from Feb 2007]																																			
MCWF-571	B6-MTM - machining/inspection	31JUL06A	156*	16MAR07		158	167,910.00	167,910.00	[Bar chart showing activity progress from Jul 2006 to Mar 2007]																																			
MCWF-581	B6-Receive at PPPL		0	19MAR07		158	7,000.00	7,000.00	[Bar chart showing activity progress from Mar 2007]																																			
MCWF-421	A5-MTM - machining/inspection	01MAY06A	240*	16APR07		156	167,910.00	167,910.00	[Bar chart showing activity progress from May 2006 to Apr 2007]																																			
MCWF-431	A5-Receive at PPPL		0	17APR07		156	6,000.00	6,000.00	[Bar chart showing activity progress from Apr 2007]																																			
MCWF-451	A6-MTM - machining/inspection	01MAY06A	261*	15MAY07		162	155,000.00	155,000.00	[Bar chart showing activity progress from May 2006 to May 2007]																																			
MCWF-461	A6-Receive at PPPL		0	16MAY07		162	4,000.00	4,000.00	[Bar chart showing activity progress from May 2007]																																			
MCWF-301	C6-MTM - machining/inspection	03APR06A	302*	14JUN07		160	167,910.00	167,910.00	[Bar chart showing activity progress from Apr 2006 to Jun 2007]																																			
MCWF-311	C6-Receive at PPPL		0	15JUN07		160	5,000.00	5,000.00	[Bar chart showing activity progress from Jun 2007]																																			
C-501B1	Last MCWF Delivered		0	15JUN07		573	0.00	0.00	[Bar chart showing activity progress from Jun 2007]																																			

 LAST MODULAR COIL WINDING FORM DELIVERED
 LEVEL 2 DOE MILESTONE
 SEPTEMBER 2007

Job: 1460 - 3rd Winding Fixture-CHRZANOWSKI

WINDFIX	3rd winding fixture	16OCT06*	48*	22DEC06	1	691	60,428.28	63,058.12	[Bar chart showing activity progress from Oct 2006 to Dec 2006]																																			
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Job: 1451 - Mod Coil Winding-CHRZANOWSKI

Station 1 Prep casting & Install Cladding

P3-031	Receive A3, Prep& Instl Cladding	12OCT06	11	26OCT06	2	98	39,165.00	41,610.00	[Bar chart showing activity progress from Oct 2006]																																			
P1-031	Receive B1, Prep& Instl Cladding	27OCT06	12	13NOV06	2	113	48,564.60	51,596.40	[Bar chart showing activity progress from Oct 2006]																																			
P3-121	Receive A4, Prep& Instl Cladding	28NOV06	11	12DEC06	2	113	39,165.00	41,610.00	[Bar chart showing activity progress from Nov 2006]																																			
P2-121	Receive B2, Prep& Instl Cladding	12JAN07	11	26JAN07	2	113	39,165.00	41,610.00	[Bar chart showing activity progress from Jan 2007]																																			
P2-061	Receive B3, Prep& Instl Cladding	08FEB07	11	22FEB07	2	113	39,165.00	41,610.00	[Bar chart showing activity progress from Feb 2007]																																			
P2-151	Receive B4, Prep& Instl Cladding	23APR07	11	07MAY07	2	88	39,165.00	41,610.00	[Bar chart showing activity progress from Apr 2007]																																			
P3-061	Receive B5, Prep& Instl Cladding	08MAY07	11	22MAY07	2	96	39,165.00	24,882.78	[Bar chart showing activity progress from May 2007]																																			
P3-151	Receive B6, Prep& Instl Cladding	23MAY07	11	07JUN07	2	112	39,165.00	24,882.78	[Bar chart showing activity progress from May 2007]																																			
P1-061	Receive A5, Prep& Instl Cladding	08JUN07	11	22JUN07	2	120	39,165.00	24,882.78	[Bar chart showing activity progress from Jun 2007]																																			
P1-151	Receive A6, Prep& Instl Cladding	25JUN07	11	10JUL07	2	136	39,165.00	24,882.78	[Bar chart showing activity progress from Jun 2007]																																			
P2-031	Receive C6, Prep& Instl Cladding	11JUL07	11	25JUL07	2	144	39,165.00	24,882.78	[Bar chart showing activity progress from Jul 2007]																																			

EM/TB = 500 hrs
 EM/TB = 620hrs
 EM/TB = 500 hrs
 EM/TB = 500 hrs
 EM/TB = 500 hrs
 EM/TB = 500 hrs
 EM/TB = 500 hrs
 EM/TB = 500 hrs
 EM/TB = 500 hrs
 EM/TB = 500 hrs
 EM/TB = 500 hrs

Station 2-Winding, Instl Chill Plates,Tubing,Bag

P3-011	Wind coil A2	27SEP06A	29	07NOV06	2	102	99,488.46	105,040.37	[Bar chart showing activity progress from Sep 2006]																																			
P3-020	Instl Chill Plates,Tubing, Bag A2	08NOV06	15	30NOV06	2	102	46,763.01	49,682.34	[Bar chart showing activity progress from Nov 2006]																																			
P1-041	Wind coil B1	01DEC06	31	22JAN07	2	102	99,087.45	105,273.30	[Bar chart showing activity progress from Dec 2006]																																			
P1-050	Instl Chl Plates,Tubing, Bag B1	23JAN07	15	12FEB07	2	102	46,763.01	49,682.34	[Bar chart showing activity progress from Jan 2007]																																			
P1-071	Wind coil B2	13FEB07	31	27MAR07	2	102	99,087.45	101,195.52	[Bar chart showing activity progress from Feb 2007]																																			
P1-080	Instl Chl Plates,Tubing,Bag B2	28MAR07	15	17APR07	2	102	46,763.01	35,618.16	[Bar chart showing activity progress from Mar 2007]																																			
P2-161	Wind coil B4	08MAY07	31	20JUN07	2	88	99,087.45	101,195.52	[Bar chart showing activity progress from May 2007]																																			

EM/TB = 1,265 hrs
 EM/TB = 597 hrs
 EM/TB = 1,265 hrs
 EM/TB = 597 hrs
 EM/TB = 1,265 hrs
 EM/TB = 597 hrs
 EM/TB = 1,265 hrs

Run Date 01FEB07 09:46

ECP53 BASELINE

 Progress Bar

 Critical Activity

EC53
 NCSX
 ECP-53
 BASELINE SCHEDULE



Sheet 7 of 37

PRELIMINARY 2/1/07

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	ECP-53	ECP-52 (note; may be incomplete see RLS)	FY07												FY08												FY09														
									O	N	D	J	F	M	A	M	J	J	A	S	O	O	N	D	J	F	M	A	M	J	J	A	S	O	O	N	D	J	F	M	A	M	J	J	A	S	O
P3-171V	VPI (Station 5) B6	18SEP07	7	26SEP07	2	96	23,107.35	13,648.08																																							
P3-171VCU	Cleanup and Ready Autoclave	27SEP07	12	12OCT07	1	96	13,028.80	13,648.08																																							
P1-081V	VPI (Station 5) A5	15OCT07	7	23OCT07	2	96	13,456.20	13,962.96																																							
P1-081VCU	Cleanup and Ready Autoclave	24OCT07	12	08NOV07	1	96	13,128.00	14,015.44																																							
P1-171V	VPI (Station 5) A6	21NOV07	7	03DEC07	2	88	13,456.20	14,015.44																																							
P1-171VCU	Cleanup and Ready Autoclave	04DEC07	12	19DEC07	1	88	13,128.00	14,015.44																																							
P2-051V	VPI (Station 5) C6	20DEC07	7	08JAN08	2	88	13,456.20	14,015.44																																							
P2-051VCU	Cleanup and Ready Autoclave	09JAN08	12	24JAN08	1	425	13,128.00	14,015.44																																							
Station 1B Final Clamp Installation																																															
P3-111C	Final Clamps & Warm Test (Station1) C4	27SEP06A	8	11OCT06	1	98	12,671.13	13,229.76	EM/TB = 160 hrs																																						
P1-141C	Final Clamps & Warm Test (Station1) C5	14NOV06	8	27NOV06	1	113	12,532.80	13,315.20	EM/TB = 160 hrs																																						
P2-021C	Final Clamps & Warm Test (Station1) A1	13DEC06	8	22DEC06	1	113	12,532.80	13,315.20	EM/TB = 160 hrs																																						
P3-021C	Final Clamps & Warm Test (Station1) A2	02JAN07	8	11JAN07	1	113	12,532.80	13,315.20	EM/TB = 160 hrs																																						
P3-051C	Final Clamps & Warm Test (Station1) A3	29JAN07	8	07FEB07	1	113	12,532.80	13,315.20	EM/TB = 160 hrs																																						
P1-051C	Final Clamps & Warm Test (Station1) B1	11APR07	8	20APR07	1	88	12,532.80	13,315.20	EM/TB = 160 hrs																																						
P3-141C	Final Clamps & Warm Test (Station1) A4	27MAR07	8	05APR07	1	218	12,532.80	9,986.40	EM/TB = 160 hrs																																						
P2-141C	Final Clamps & Warm Test (Station1) B2	27APR07	8	08MAY07	1	118	12,532.80	9,986.40	EM/TB = 160 hrs																																						
P2-081C	Final Clamps & Warm Test (Station1) B3	31MAY07	8	11JUN07	1	177	12,532.80	9,986.40	EM/TB = 160 hrs																																						
P3-081C	Final Clamps & Warm Test (Station1) B4	24JUL07	8	02AUG07	1	135	12,532.80	9,986.40	EM/TB = 160 hrs																																						
P3-171C	Final Clamps & Warm Test (Station1) B5	20AUG07	8	29AUG07	1	170	12,532.80	9,986.40	EM/TB = 160 hrs																																						
P2-171C	Final Clamps & Warm Test (Station1) B6	27SEP07	9	09OCT07	1	142	9,746.80	9,986.40	EM/TB = 120 hrs																																						
P1-081C	Final Clamps & Warm Test (Station1) A5	24OCT07	8	02NOV07	1	119	9,846.00	10,255.20	EM/TB = 120 hrs																																						
P1-171C	Final Clamps & Warm Test (Station1) A6	04DEC07	8	13DEC07	1	92	9,846.00	10,255.20	EM/TB = 120 hrs																																						
P2-051C	Final Clamps & Warm Test (Station1) C6	09JAN08	8	18JAN08	1	88	9,846.00	10,255.20	EM/TB = 120 hrs																																						
LOE Oversight & Supervision																																															
1451EC5301	Historical experience OT.	02JAN07*	20	29JAN07		671	44,616.00	0.00	31=26 ;																																						
1451EC5302	Historical experience OT.	01FEB07*	20	28FEB07		649	58,344.00	0.00	31=34 ;																																						
1451EC5303	Historical experience OT.	01MAR07*	20	28MAR07		629	87,516.00	0.00	31=51 ;																																						
1451EC5304	Historical experience OT.	02APR07*	20	27APR07		607	58,344.00	0.00	31=34 ;																																						
1451EC5305	Historical experience OT.	01MAY07*	20	29MAY07		586	58,344.00	0.00	31=34 ;																																						
1451EC5306	Historical experience OT.	01JUN07*	20	28JUN07		564	58,344.00	0.00	31=34 ;																																						
1451EC5350	Oversight and supervision increment	02JAN07*	128	29JUN07		563	16,271.10	0.00	CHRZANOWSKI =32hr ; RAFTOPOLOUS =58hr ;																																						
1452EC5313	Historical experience labor	01MAR07*	20	28MAR07		629	46,998.00	0.00	EM/TB =600hr ;																																						
171-040	Winding Oversight (LOE)	10OCT05A	535*	27NOV07		458	693,953.39	686,551.71	EA/EM Chrzanowski @ 70%=2470 EA/EM Raftopolous @ 40%=1420																																						
171-041	Tech Supervision	10OCT05A	535*	27NOV07		458	318,358.85	321,077.43	EM/SM (Meighan) @ 70%=2470																																						
SSD-ST2	Second shift cost differential	25OCT05A	524*	27NOV07		458	77,500.00	77,500.00	81=32\$K ; 81=46\$K ;																																						
SSD-ST3	Second shift cost differential	27JAN06A	463*	26NOV07		459	77,500.00	77,500.00	81=32\$K ; 81=46\$K ;																																						
SSD-ST4	Planned overtime (due to 10hr 1st shift)	03APR06A	417*	26NOV07		459	120,649.95	120,960.00	31=70 ;																																						
SSD-ST4.1	Unplanned overtime and rework	03APR06A	417*	26NOV07		459	120,649.95	120,960.00	31=70 ;																																						

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	ECP-53	ECP-52 (note; may be incomplete see RLS)	FY07												FY08												FY09																																																																											
									O				N				D				J				F				M				A				M				J				J				A				S				O				N				D				J				F				M				A				M				J				J				A				S				C			
TITLE3F	Titel III Design ORNL- Component Fab & WINDING	02OCT06*	290*	26NOV07		459	133,250.52	135,872.36	FOGARTY=583; Williamson=116 ornl travel=\$14.5k																																																																																																			
FY07 Rebaseline Exercise																																																																																																												
ECP53RBX06	FY07 Rebaseline exercise	01FEB07*	85*	31MAY07		584	2,169.48	0.00	EA/EM =12hr ;																																																																																																			
Job: 1459 - Mod Coil Fabr.Punch List-CHRZANOWSKI																																																																																																												
Co-wound loop termination box installation																																																																																																												
1459-013	Install Co-wound loop term boxes- A1	25MAY07	1	25MAY07		84	1,253.28	1,331.52	em//tb=16																																																																																																			
1459-019	Install Co-wound loop term boxes- B1	25MAY07	1	25MAY07		84	1,253.28	1,331.52	em//tb=16																																																																																																			
1459-003	Install Co-wound loop term boxes- C1	25MAY07	1	25MAY07		84	1,253.28	1,331.52	em//tb=16																																																																																																			
1459-015	Install Co-wound loop term boxes- A2	27APR07	1	27APR07		89	1,253.28	1,331.52	em//tb=16																																																																																																			
1459-023	Install Co-wound loop term boxes- B2	27APR07	1	27APR07		89	1,253.28	1,331.52	em//tb=16																																																																																																			
1459-005	Install Co-wound loop term boxes- C2	27APR07	1	27APR07		89	1,253.28	1,331.52	em//tb=16																																																																																																			
1459-017	Install Co-wound loop term boxes- A3	18JUL07	1	18JUL07		104	1,253.28	1,331.52	em//tb=16																																																																																																			
1459-025	Install Co-wound loop term boxes- B3	18JUL07	1	18JUL07		104	1,253.28	1,331.52	em//tb=16																																																																																																			
1459-007	Install Co-wound loop term boxes- C3	18JUL07	1	18JUL07		104	1,253.28	1,331.52	em//tb=16																																																																																																			
1459-021	Install Co-wound loop term boxes- A4	02AUG07	1	02AUG07		95	1,253.28	1,331.52	em//tb=16																																																																																																			
1459-027	Install Co-wound loop term boxes- B4	02AUG07	1	02AUG07		95	1,253.28	1,331.52	em//tb=16																																																																																																			
1459-009	Install Co-wound loop term boxes- C4	02AUG07	1	02AUG07		95	1,253.28	1,331.52	em//tb=16																																																																																																			
1459-033	Install Co-wound loop term boxes- A5	07SEP07	1	07SEP07		119	1,253.28	1,331.52	em//tb=16																																																																																																			
1459-029	Install Co-wound loop term boxes- B5	07SEP07	1	07SEP07		119	1,253.28	1,331.52	em//tb=16																																																																																																			
1459-011	Install Co-wound loop term boxes- C5	07SEP07	1	07SEP07		119	1,253.28	1,331.52	em//tb=16																																																																																																			
1459-035	Install Co-wound loop term boxes- A6	22OCT07	1	22OCT07		88	1,312.80	1,367.36	em//tb=16																																																																																																			
1459-031	Install Co-wound loop term boxes- B6	22OCT07	1	22OCT07		88	1,312.80	1,367.36	em//tb=16																																																																																																			
1459-037	Install Co-wound loop term boxes- C6	22OCT07	1	22OCT07		88	1,312.80	1,367.36	em//tb=16																																																																																																			
Strain gages,cooling tube terminations,TC																																																																																																												
1459-002	Strain gages,Thrmcpl,cooling tube term - C1	21MAY07	5	25MAY07		84	8,226.15	8,728.50	em//tb=95; M&S=0.6k																																																																																																			
1459-004	Strain gages,Thrmcpl,cooling tube term - C2	23APR07	5	27APR07		89	8,226.15	8,728.50	em//tb=95; M&S=0.6k																																																																																																			
1459-006	Strain gages,Thrmcpl,cooling tube term - C3	12JUL07	5	18JUL07		104	8,226.15	8,728.50	em//tb=95; M&S=0.6k																																																																																																			
1459-008	Strain gages,Thrmcpl,cooling tube term - C4	27JUL07	5	02AUG07		95	8,226.15	8,728.50	em//tb=95; M&S=0.6k																																																																																																			
1459-010	Strain gages,Thrmcpl,cooling tube term - C5	31AUG07	5	07SEP07		119	8,226.15	8,728.50	em//tb=95; M&S=0.6k																																																																																																			
1459-012	Strain gages,Thrmcpl,cooling tube term - A1	21MAY07	5	25MAY07		84	8,226.15	8,728.50	em//tb=95; M&S=0.6k																																																																																																			
1459-014	Strain gages,Thrmcpl,cooling tube term - A2	23APR07	5	27APR07		89	8,226.15	8,728.50	em//tb=95; M&S=0.6k																																																																																																			
1459-016	Strain gages,Thrmcpl,cooling tube term - A3	12JUL07	5	18JUL07		104	8,226.15	8,728.50	em//tb=95; M&S=0.6k																																																																																																			
1459-018	Strain gages,Thrmcpl,cooling tube term - B1	21MAY07	5	25MAY07		84	8,226.15	8,728.50	em//tb=95; M&S=0.6k																																																																																																			
1459-020	Strain gages,Thrmcpl,cooling tube term - A4	27JUL07	5	02AUG07		95	8,226.15	8,728.50	em//tb=95; M&S=0.6k																																																																																																			
1459-022	Strain gages,Thrmcpl,cooling tube term - B2	23APR07	5	27APR07		89	8,226.15	8,728.50	em//tb=95; M&S=0.6k																																																																																																			
1459-024	Strain gages,Thrmcpl,cooling tube term - B3	12JUL07	5	18JUL07		104	8,226.15	8,728.50	em//tb=95; M&S=0.6k																																																																																																			
1459-026	Strain gages,Thrmcpl,cooling tube term - B4	27JUL07	5	02AUG07		95	8,226.15	8,728.50	em//tb=95; M&S=0.6k																																																																																																			
1459-028	Strain gages,Thrmcpl,cooling tube term - B5	31AUG07	5	07SEP07		119	8,226.15	8,728.50	em//tb=95; M&S=0.6k																																																																																																			
1459-030	Strain gages,Thrmcpl,cooling tube term - B6	16OCT07*	5	22OCT07		88	8,637.75	8,728.50	em//tb=95; M&S=0.6k																																																																																																			

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 ECP53 BASELINE
 Progress Bar
 Critical Activity

EC53

NCSX
ECP-53
BASELINE SCHEDULE

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PRELIMINARY 2/1/07

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	ECP-53	ECP-52 (note; may be incomplete see RLS)	FY07												FY08												FY09											
									O N D J				F M A M				J J A S O				O N D J				F M A M				J J A S O				O N D J				F M A M				J J A S O			
1429-3026	COF tests (LN2, cyclic, COF, etc) HIGH COF shims	26FEB07	10	09MAR07		84	32,203.28	0.00	41=10\$K ; EM/SB =32 ; EM/TB =40hr ; GETTELFINGER =80hr ;																																			
1429-3031	Implications of press.-dependent COF for shim ds	12MAR07	5	16MAR07		84	0.00	0.00																																				
1429-3036	Document and conduct peer review of test results	12MAR07	5	16MAR07		84	6,260.00	0.00	GETTELFINGER =40hr ;																																			
1429-3039	Shims defined		0	16MAR07		84	0.00	0.00																																				
1429-3050	Define geometry of standard shim	01FEB07*	1	01FEB07		115	0.00	0.00																																				
1429-3055	Finalize procurementg dwgs. Conduct FDR	19MAR07	5	23MAR07		84	0.00	0.00																																				
1429-3060	Procure Shims for 1st 3 coils	26MAR07	65	25JUN07		84	144,900.24	0.00	41=110.78\$K ;																																			
1429-3061	Procure Shims for balance of coils	01JUN07*	140	19DEC07		88	688,914.96	0.00	41=389.23k ;48= 164.7																																			
1429-3065	Shims Available for 1st 3 pack FPA#1		0	25JUN07		84	0.00	0.00																																				
1429-3066	Shims Req'd for 2nd 3 pack FPA#1		0	25JUN07		89	0.00	0.00																																				
1429-3067	Shims Req'd for 1st 3 pack FPA#2		0	13SEP07		104	0.00	0.00																																				
1429-3068	Shims Req'd for 2nd 3 pack FPA#2		0	28SEP07		95	0.00	0.00																																				
1429-3069	Shims Req'd for 1st 3 pack FPA#3		0	02NOV07		119	0.00	0.00																																				
1429-3070	Shims Req'd for 2nd 3 pack FPA#3		0	19DEC07		88	0.00	0.00																																				

15 - Coil Structures

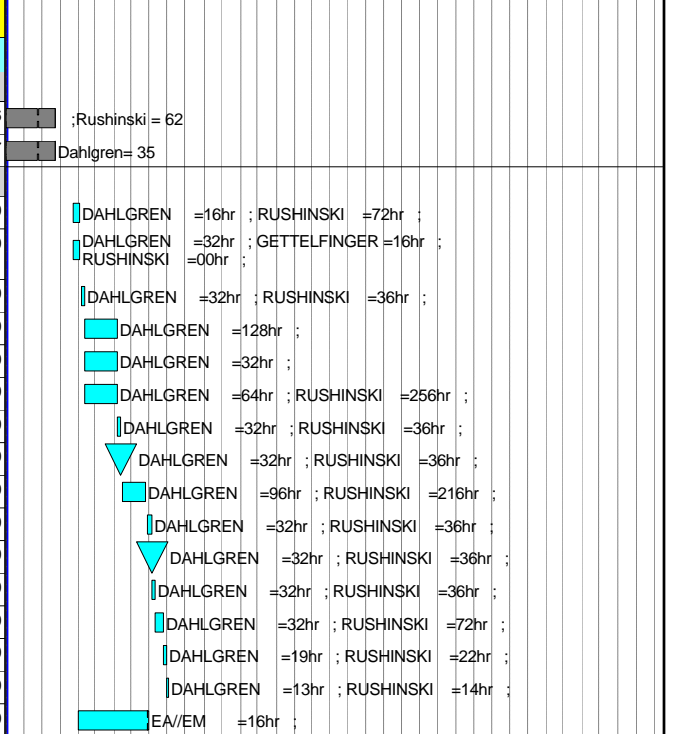
Job: 1501 - Coil Structures Design-DAHLGREN

Prior Costs

1501-205	Update Design/models	01MAY06A	87*	22DEC06A			8,925.38	10,838.26	
1501-209	Prepare SRD	03JUL06A	63*	22DEC06A			1,551.25	6,180.77	

ECP53

1501-501	Complete concept development	22JAN07*	10	02FEB07		117	15,909.52	0.00
1501-505	Update reqmnts.Incl base suprt struct. Issue SRD	22JAN07*	10	02FEB07		117	8,289.28	0.00
1501-509	Peer review of struct concept,reqmnts,interfaces	05FEB07	5	09FEB07		117	12,293.72	0.00
1501-513	Structural analysis. Incl base suprt struct.	12FEB07	40	06APR07		117	23,141.12	0.00
1501-517	Interface reqmnts. Document in ICD.	12FEB07	40	06APR07		117	5,785.28	0.00
1501-521	Complete structures preliminary design	12FEB07	40	06APR07		117	57,852.80	0.00
1501-525	Conduct PDR	09APR07	5	13APR07		117	12,293.72	0.00
1501-525P	PDR		0	13APR07		117	0.00	0.00
1501-529	Structures final dsn,assy&fab dwgs,BOMs,specs/SO	16APR07	30	25MAY07		117	56,406.48	0.00
1501-533	Conduct FDR	29MAY07	5	04JUN07		117	12,293.72	0.00
1501-533F	FDR		0	04JUN07		117	0.00	0.00
1501-537	Resolve chits. Issue dwgs & procurement package.	05JUN07	5	11JUN07		117	12,293.72	0.00
1501-541	Update CS support design documentation	12JUN07	10	25JUN07		117	18,802.16	0.00
1501-545	Peer review of updated CS support design and doc	26JUN07	3	28JUN07		117	7,412.39	0.00
1501-549	Resolve chits.Release CS struc dwgs for fab.	29JUN07	2	02JUL07		117	4,881.33	0.00
ECP53RBX07	FY07 Rebaseline exercise	01FEB07*	85*	31MAY07		584	2,892.64	0.00



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■	ECP53 BASELINE
■	Progress Bar
■	Critical Activity

EC53

NCSX ECP-53 BASELINE SCHEDULE

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PRELIMINARY 2/1/07

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	ECP-53	ECP-52 (note; may be incomplete see RLS)	FY07												FY08												FY09																							
									O				N				D				J				F				M				A				M				J				J				A				S			
Job: 1550 - Coil Struct. Procurement -DAHLGREN																																																								
1501-245	Prep Spec,Solicit Bids, and Evaluate Bids	20AUG07	30	01OCT07		84	0.00	0.00																																																
162-036.9	Award Coil Support Structure		0	01OCT07*		84	0.00	0.00																																																
162-037	Fabricate Coil Structure	02OCT07	130	11APR08		84	706,086.00	1,012,878.78																																																
162-031	Title III engr WBS 151	02OCT07	130	11APR08		136	114,947.59	109,319.21																																																
153.037	WBS 153 Support Structure I&C Procurement/Fab	02OCT07*	130	11APR08		136	9,095.16	9,157.64																																																
153.015	Title III design WBS 153 local&C	02OCT07*	130	11APR08		136	1,077.44	1,064.29																																																
16 - Coil Services																																																								
Job: 1601 - Coil Services Design-WILLIAMSON																																																								
161 - LN2 Distribution																																																								
191-001	Title I design WBS 161 LN2 manifolds&pipng	01OCT07*	47	06DEC07		151	58,296.50	57,409.27																																																
191-011	Title II design WBS 161 LN2 manifolds&pipng	07DEC07	60	10MAR08		151	116,764.90	119,261.00																																																
191-031	Title III engr WBS 161	11MAR08	242	27FEB09		151	16,585.26	17,085.57																																																
191-037	Procurement WBS 161	11MAR08	92	18JUL08		163	74,394.75	74,394.75																																																
191-038	PDR#17	15FEB08*	109	18JUL08		163	62,325.80	62,325.80																																																
191-041	LN2 Manifolds & ppg Fab/assy/instl WBS 161	14FEB08*	110	18JUL08		163	32,864.48	33,821.56																																																
191-042	PDR #17,25,3	14FEB08*	110	18JUL08		163	10,482.14	10,785.36																																																
162 - Electrical Leads																																																								
132-000	PDR #17 & 25	01OCT07*	262*	16OCT08		238	37,889.54	38,917.55																																																
132-001	Title I design WBS 162 Coil leads	01OCT07*	84	06FEB08		108	149,381.10	151,405.09																																																
132-011	Title II design WBS 162 Coil leads	07FEB08	100	26JUN08		108	153,159.10	159,391.00																																																
132-015	Title III design WBS 162 Coil leads	27JUN08*	60	22SEP08		256	17,923.64	18,643.46																																																
132-037	Coil Leads Procurement WBS 162	27JUN08*	60	22SEP08		108	314,186.10	314,446.99																																																
163 - Coil Protection System																																																								
163.001	Title I design WBS 163 Coil protection	01OCT07*	65	10JAN08		187	42,912.60	43,938.80																																																
163.011	Title II design WBS 163 Coil protection	11JAN08	40	06MAR08		187	42,912.60	43,938.80																																																
FY07 Rebaseline Exercise																																																								
ECP53RBX08	FY07 Rebaseline exercise	01FEB07*	85*	31MAY07		584	20,244.00	0.00																																																
17 - Cryostat and Base Support Structure																																																								
Job: 1702 - Base Support Struct Design-DAHLGREN																																																								
Prior Costs																																																								
161-002	Start Preliminary Design	03OCT06A	35	22DEC06A			4,800.90	5,498.72																																																
1702-505	Interface requirements. Document in ICDS	02JUL07*	15	23JUL07		121	4,338.96	0.00																																																
1702-510	Complete base support structure prel. design	02JUL07*	15	23JUL07		121	21,694.80	0.00																																																
1702-515	Conduct PDR. Resolve chits.	24JUL07	5	30JUL07		121	5,785.28	0.00																																																
1702-520	Final design. Assy dwgs, fab dwgs, BOMs,specs/SO	31JUL07	20	27AUG07		121	34,711.68	0.00																																																
1702-525	FDR	28AUG07	1	28AUG07		121	0.00	0.00																																																

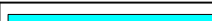


Run Date 01FEB07 09:46

ECP53 BASELINE
 Progress Bar
 Critical Activity

PRELIMINARY 2/1/07

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	ECP-53	ECP-52 (note; may be incomplete see RLS)	FY07												FY08												FY09																																																																							
									O				N				D				J				F				M				A				M				J				J				A				S				O				N				D				J				F				M				A				M				J				J				A				S			
									N				O				V				E				M				A				M				J				J				A				S				O				N				D				J				F				M				A				M				J				J				A				S							
1702-530	Resolve chits.Release dwgs for fab.Issue proc pk	29AUG07	5	05SEP07		121	12,293.72	0.00	DAHLGREN =32hr ; RUSHINSKI =36hr ;																																																																																															
Job: 1752 - Base Support Proc-DAHLGREN																																																																																																								
172 - Base Support Structure																																																																																																								
161-031	Title III engr WBS 172	06SEP07	240	21AUG08		277	9,803.11	10,853.10	Gettelfinger =60hr ;																																																																																															
161-036.8	Prep Spec, Solicit bids, and Select Vendor	06SEP07	55	21NOV07		121	0.00	0.00																																																																																																
161-036.9	Award Mach Base&Coil struct as one Procurement		0	21NOV07		121	0.00	0.00																																																																																																
161-037	Machine Base&supports Procurement [A/1]	22NOV07*	90	08APR08		121	220,316.00	220,316.00	48=216.73\$k ; 35=02\$k ;																																																																																															
JM-07	ALL CRITICAL STELLARATOR CORE CONTRACTS PLACED		0	20FEB08		406	0.00	0.00	VVSA (WBS 12) MCWF (WBS 14) TF (WBS 13) PF Coils (WBS 13) Coil Support structure (WBS 15) Central solenoid support structure (WBS 13) Machine Base support structure (WBS 17) Field Period Assembly Fixtures Modular Coil Winding Hardware Modular Coil Interface Hardware																																																																																															
Job: 1701 - Cryostat Design-GETTLEFINGER																																																																																																								
Cryostat																																																																																																								
151-011	Final Design Cryostat WBS 171	16JAN08*	60	08APR08		106	120,624.40	124,019.60	Gettelfinger =320hr ;Rushinski=360hr ;																																																																																															
171-199	Cryostat FDR		0	08APR08		106	0.00	0.00																																																																																																
ECP53RBX09	FY07 Rebaseline exercise	01FEB07*	85	31MAY07		584	8,764.00	0.00	EM/EM =56hr ;																																																																																															
Job: 1751 - Cryostat Procurement-GETTLEFINGER																																																																																																								
171 - Cryostat																																																																																																								
151-031	Title III engr	09APR08	202	02FEB09		170	53,695.71	59,712.19	Gettelfinger =320hr																																																																																															
151-036.8	Prep Spec, Solicit bids, and Select Vendor	09APR08	43	09JUN08		106	0.00	0.00																																																																																																
151-036.9	Award Cryostat Procurement		0	09JUN08*		106	0.00	0.00																																																																																																
151-037	Cryostat Procurement & PPPL fab [A/1]	10JUN08	95	22OCT08		106	311,669.68	317,562.35	41=358.47\$k ; 35=02\$k ;																																																																																															
18 - Field Period Assembly																																																																																																								
Job: 1804 - Metrology Hardware-RAFTOPOULOS																																																																																																								
Metrology																																																																																																								
740.100	Romer CMM- spare probes	03JAN06A	233*	30NOV06		707	4,078.93	4,113.00	m&s=\$3k																																																																																															
740.105	Romer CMM-Software support&warranty renewal FY06	01OCT05A	249*				22,210.20	22,210.20	41=\$16.2																																																																																															
740.106	Romer CMM-Software support&warranty renewal FY07	03OCT06*	57*	22DEC06		691	13,080.00	13,721.19	41=\$10																																																																																															
740.107	Romer CMM-Software support FY08 ecp53	03OCT07*	2*	04OCT07		496	0.00	11,240.00																																																																																																
740.108	Romer CMM-Software support FY09 ecp53	03OCT08*	1*	03OCT08		247	0.00	11,520.00																																																																																																
Job: 1803 - FP Asy Tooling/Constrbilty-BROWN																																																																																																								
1.00-VV Prep Station																																																																																																								
1803-1.20	Finalize loop layout on FP 2 & 3	02OCT06	20	27OCT06		729	0.00	0.00																																																																																																
Station 2-Modular Coil Sub- Assembly																																																																																																								
1803-2.08D	Dwgs/specs for tooling released for fab	01SEP06A	35*	20OCT06		734	14,155.54	14,055.09	rushinski=80																																																																																															
1803-2.08A	Assy sequence plan drafted	23JAN07	7	31JAN07		146	4,338.96	14,228.80	brown=24																																																																																															

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	ECP53 BASELINE
	Progress Bar
	Critical Activity

EC53

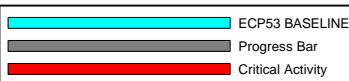
NCSX
ECP-53
BASELINE SCHEDULE

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PRELIMINARY 2/1/07

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	ECP-53	ECP-52 (note; may be incomplete see RLS)	FY07												FY08												FY09											
									O N D J				F M A M				J J A S				O N D J				F M A M				J J A S				O N D J				F M A M				J J A S			
									O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
1803-2.08C	Dimensional control plan drafted	02JAN07*	22	31JAN07		146	0.00	0.00	brooks																																			
Station 3-Modular Coil to VVSA Assembly																																												
1803-3.15A	Requirements finalized	01FEB07*	5	07FEB07		664	2,892.64	2,815.36	brown=16																																			
1803-3.15	Models&dwgs for- MC load support	01FEB07*	10	14FEB07		659	8,677.92	8,531.20	morris=48																																			
1803-3.17	Models&dwgs for- Laser screen guide mods	01FEB07*	10	14FEB07		659	8,677.92	8,531.20	morris=48																																			
1803-3.18	Models&dwgs for-VV support stand	01FEB07*	10	14FEB07		659	8,677.92	8,531.20	morris=48																																			
1803-3.19	Models&dwgs for-Mechanical screw drive	01FEB07*	10	14FEB07		659	8,677.92	8,531.20	morris=48																																			
TB3.1	Release dwg for actuator lifting system	05FEB07*	1	05FEB07		666	0.00	0.00	MORRIS =00hr ;																																			
TB3.2	Spec for actuator lifting system	05FEB07*	1	05FEB07		666	0.00	0.00	VIOLA =00hr ;																																			
TB3.3	Complete stage 3 dwgs w/o laser modification	05FEB07*	1	05FEB07		666	0.00	0.00	MORRIS =00hr ;																																			
TB3.4	Re-set laser track on left side	05FEB07*	2	06FEB07		665	4,338.96	0.00	BROWN =24hr ;																																			
TB3.5	Complete stage 3 dwgs with laser mod-left side	05FEB07*	2	06FEB07		84	2,800.80	0.00	MORRIS =24hr ;																																			
TB3.6	Re-set laser track on right side	05FEB07*	1	05FEB07		85	0.00	0.00	BROWN =00hr ;																																			
TB3.7	Modify stage 3 dwgs with laser mo -right side	07FEB07*	5	13FEB07		84	4,668.00	0.00	MORRIS =40hr ;																																			
TB3.8	Update FEA models	14FEB07*	2	15FEB07		84	2,800.80	0.00	MORRIS =24hr ;																																			
TB3.9	Perform stress analysis	16FEB07*	15	08MAR07		84	21,694.80	0.00	FAN =120hr ;																																			
TB4.0	re-estimate fabrication costs	23FEB07*	1	23FEB07		93	4,338.96	0.00	BROWN =24hr ;																																			
TB4.1	FDR	13MAR07*	1	13MAR07		82	0.00	0.00	EA/EM =00hr ;																																			
TB4.2	Revise drawings as needed per FDR input	14MAR07*	2	15MAR07		82	2,800.80	0.00	MORRIS =24hr ;																																			
TB4.3	Release drawings for fabrication	16MAR07*	1	16MAR07		82	0.00	0.00	MORRIS =00hr ;																																			
TB4.4	VV/MC clearance report (for VVSA1, 2 and 3)	19MAR07*	1	19MAR07		147	13,016.88	0.00	BROWN =72hr ;																																			
TB4.5	Generate laser trace drawing for each screen	20MAR07*	3	22MAR07		147	4,668.00	0.00	MORRIS =40hr ;																																			
TB4.6	Assembly sequence plan drafted	23MAR07*	1	23MAR07		147	4,338.96	0.00	BROWN =24hr ;																																			
Station 5-Final Field Period Assembly																																												
TB5.1	Update Stage 5 PD consistent with TF asbly	26MAR07*	8	04APR07		79	9,336.00	0.00	MORRIS =80hr ;																																			
TB5.2	Develop Stage 5 model details	09APR07*	8	18APR07		77	9,336.00	0.00	MORRIS =80hr ;																																			
TB5.3	Develop Stage 5 FEA models	23APR07*	2	24APR07		75	2,800.80	0.00	MORRIS =24hr ;																																			
TB5.4	Develop Stage 5 drawings	26APR07*	11	10MAY07		78	9,336.00	0.00	MORRIS =80hr ;																																			
TB5.5	Perform stress analysis	26APR07*	15	16MAY07		74	21,694.80	0.00	FAN =120hr ;																																			
TB5.6	re-estimate fabrication costs	17MAY07*	1	17MAY07		73	4,338.96	0.00	BROWN =24hr ;																																			
TB5.7	FDR	18MAY07*	1	18MAY07		73	0.00	0.00	EA/EM =00hr ;																																			
TB5.8	Revise drawings as needed per FDR input	21MAY07*	3	23MAY07		73	0.00	0.00	MORRIS =00hr ;																																			
TB5.9	Release drawings for fabrication	24MAY07	1	24MAY07		73	0.00	0.00	MORRIS =00hr ;																																			
TB6.0	Assembly sequence plan drafted	25MAY07	1	25MAY07		142	4,338.96	0.00	BROWN =24hr ;																																			
6.00-Interface/Test Activities																																												
1803-5.02	TFTR Test Cell FPA arrgmt dwg	02OCT06*	40	28NOV06		201	0.00	0.00	brooks																																			
7.00-Oversight																																												
1803-7.11	Tom Brown Engineering (resources above)	02OCT06*	42*	30NOV06		707	0.00	0.00	brooks																																			
1803-7.22	Design Activity (resources above)	02OCT06*	42*	30NOV06		707	0.00	0.00	brooks																																			

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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	ECP-53	ECP-52 (note; may be incomplete see RLS)	FY07												FY08												FY09																							
									O				N				D				J				O				N				D				J				O				N				D				J			
Job: 1806 - FP Assembly specs and drawings-COLE																																																								
1.00-VV Prep Station																																																								
121-034.2	VVSA Title III engr as-built vvsa models/dwgs	02OCT06*	122	30MAR07		627	32,390.40	33,004.80	goranson=192																																															
1803-1-105	Stage 1 dwg -SE121-004	02OCT06	10	13OCT06		234	2,699.20	2,745.28	cole=16																																															
1803-1-110	Stage 1 dwg -SE121-008	16OCT06	5	20OCT06		234	2,699.20	2,750.40	cole=16																																															
1803-1-115	Stage 1 dwg -SE121-049 (BOM)	23OCT06	5	27OCT06		234	2,699.20	2,750.40	cole=16																																															
1803-1-120	Spacer specification and assy dwgs	01AUG07*	40	26SEP07		283	2,699.20	2,750.40	cole=16																																															
Station 2-Modular Coil Sub- Assembly																																																								
1803-2-100	Prep Stage 2 Spec	02JAN07*	20	29JAN07		148	13,496.00	13,752.00	williamson=40; cole=40																																															
1803-2-105	Stage 2 dwg-se140-xInterface between MC &insul	02JAN07*	20	29JAN07		148	16,870.00	17,190.00	goranson=20; lovelt=80																																															
Station 3-Modular Coil to VVSA Assembly																																																								
1203-880	Issue 120-049,004 & 008	01MAR07*	28	09APR07		136	8,097.60	8,251.20	mcginnis=48hr ;																																															
1203-804	Issue VV assy specification	01MAR07*	13	19MAR07		151	6,748.00	6,876.00	goranson =40hr ;																																															
1803-3-100	Prep stage 3 Spec	01MAR07*	20	28MAR07		144	6,748.00	6,876.00	cole=40																																															
1803-3-105	Stage 3 dwg-se140-xxx - Interface between VV and	01MAR07*	20	28MAR07		144	16,870.00	17,190.00	goranson=20; lovelt=80																																															
Station 4-TF Coil Sub-assembly**ELIMINATED -ECP5																																																								
1803-4-100	Prep stage 4 Spec	02APR07*	20	27APR07		607	0.00	0.00																																																
Station 5-Final Field Period Assembly																																																								
1203-802	Issue spacer field machining dwgs	01JAN06A	171*	28SEP07		287	18,894.40	18,982.43	goranson =40hr ;																																															
1803-5-100	Prep stage 5 Spec	11JUN07*	30	23JUL07		103	13,496.00	13,752.00	cole=80																																															
1803-5-105	Prep stage 5 dwg-SE180-x PORT LOC.&WELD DETAILS	05FEB07*	44	05APR07		178	20,244.00	20,628.00	mcginnis=120																																															
1803-5-110	Prep stage 5 dwg-SE180-XXX TF FIELD PERIOD ASSY	08MAR07*	44	08MAY07		155	35,190.80	35,095.20	mcginnis=80;rushinski=120																																															
FY07 Rebaseline Exercise																																																								
ECP53RBX12	FY07 Rebaseline exercise	01FEB07*	85*	31MAY07		584	13,496.00	0.00	ORNLEM =80hr ;																																															
Job: 1805 - FP Assy H/W&Fixture Prcrmnts-DUDEK																																																								
Station 2-Modular Coil Sub- Assembly																																																								
1803-2.11	Obtain fixtures from MTM (3 of 5 fixtures)	05JAN07*	60	29MAR07		120	19,072.80	74,034.00	41=\$5k; em/tb=160																																															
Station 3-Modular Coil to VVSA Assembly																																																								
1803-3.08A	Requisition issued	19MAR07	5	23MAR07		82	0.00	0.00																																																
1803-3.08B	Recieve & Evaluate Bids	26MAR07	20	20APR07		82	0.00	0.00																																																
1803-3.15D	Award Fabrication Contract		0	20APR07		82	0.00	0.00																																																
1803-3.15C	Tooling fabricated (1 fixture)	23APR07	60	17JUL07		82	64,092.00	67,179.00	41=49 eac																																															
Station 5-Final Field Period Assembly																																																								
1803-5.08A	Requisition Issued	25MAY07	5	01JUN07		73	0.00	0.00																																																
1803-5.08B	Receive bids and evaluate	04JUN07	20	29JUN07		73	0.00	0.00																																																
1803-5.008	Award fabrication contract		0	29JUN07		73	0.00	0.00																																																
1803-5.009	Fabr suprt frame, TF coil instl fixt, & platform	02JUL07*	60	25SEP07		73	99,408.00	104,196.00	41=\$76 eac																																															
Tooling Design & Fabrication																																																								
713A.040	General procurements	02OCT06*	498	29SEP08		251	10,173.75	10,410.00	41=\$7.5k																																															
713A.050	Welding tools, materials & equip	02OCT06*	498	29SEP08		251	10,173.75	10,410.00	41=\$7.5k																																															

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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	ECP-53	ECP-52 (note; may be incomplete see RLS)	FY07												FY08												FY09																							
									O				N				D				J				O				N				D				J				O				N				D				J			
									F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S				
Job: 1802 - FP Assy Oversight&Support-VIOLA																																																								
Station 2-Modular Coil Sub- Assembly																																																								
1803-2.11B	Procedures approved	01FEB07*	20	28FEB07		146	0.00	0.00																																																
1803-2.11D	Training needs identified & released	01MAR07*	5	07MAR07		146	0.00	0.00																																																
1803-2.11A	Install Holding fixture	30MAR07*	5	05APR07		120	6,266.40	6,657.60																																																
1803-2.11C	JHA completed	06APR07*	5	12APR07		120	0.00	0.00																																																
1803-2.11E	ACC review completed	13APR07*	5	19APR07		613	0.00	0.00																																																
1803-2.11F	Pre-jpb brief completed	13APR07*	5	19APR07		120	0.00	0.00																																																
1802-3170	Document assembly sequence	25APR07	5	01MAY07		96	7,231.60	0.00																																																
1802-3172	Finalize dimensional control plan	02MAY07	5	08MAY07		96	7,231.60	0.00																																																
1802-3174	Finalize assembly procedure	09MAY07	5	15MAY07		96	3,133.20	0.00																																																
1802-3176	Establish back office support requirements&data	16MAY07	5	22MAY07		106	0.00	0.00																																																
1802-3178	Train technicians in operation of metrology equ	16MAY07	15	06JUN07		96	18,799.20	0.00																																																
1802-3180	RLM authorization for assembly operations	07JUN07	1	07JUN07		96	0.00	0.00																																																
1802-3182	Start Station 2 assembly operations		0	25JUN07		84	0.00	0.00																																																
Station 3-Modular Coil to VVSA Assembly																																																								
1803-3.11B	Procedures approved	10APR07	20	07MAY07		136	0.00	0.00																																																
1803-3.11D	Training needs identified & released	08MAY07	5	14MAY07		136	0.00	0.00																																																
1803-3.15G	Fixtures installed	18JUL07	5	24JUL07		82	6,266.40	6,657.60																																																
1803-3.11C	JHA completed	25JUL07	5	31JUL07		82	0.00	0.00																																																
1803-3.11E	ACC review completed	01AUG07	5	07AUG07		82	0.00	0.00																																																
1803-3.11F	Pre-job brief completed	01AUG07	5	07AUG07		82	0.00	0.00																																																
1803-3.11G	Station 3 operational		0	07AUG07		82	0.00	0.00																																																
Station 5-Final Field Period Assembly																																																								
1803-5.11B	Procedures approved	24JUL07*	20	20AUG07		103	0.00	0.00																																																
1803-5.11D	Training needs identified & released	21AUG07*	5	27AUG07		103	0.00	0.00																																																
1803-5.15G	Fixtures installed	26SEP07	5	02OCT07		73	6,385.44	6,657.60																																																
1803-5.11C	JHA completed	03OCT07*	5	09OCT07		73	0.00	0.00																																																
1803-5.11E	ACC review completed	10OCT07*	5	16OCT07		73	0.00	0.00																																																
1803-5.11F	Pre-job brief completed	10OCT07*	5	16OCT07		73	0.00	0.00																																																
1803-5.11G	Station 5 operational		0	16OCT07		73	0.00	0.00																																																
Oversight and Supervision																																																								
181.222	HP Coverage in the TFTR TC LOE FY06	01OCT05A	250*	02OCT06		748	147,319.54	147,328.84																																																
181.220	HP Coverage in the TFTR TC LOE FY07	02OCT06*	250*	01OCT07		499	148,220.64	150,543.22																																																
181.221	HP Coverage in the TFTR TC LOE FY08	01OCT07*	127*	07APR08		373	74,611.31	75,205.82																																																
181.120	PPPL EM LOE FY06	01DEC05A	209*	02OCT06		748	127,296.60	127,369.65																																																
181.121	PPPL EM LOE FY07	02OCT06*	249*	28SEP07		500	229,585.50	260,099.10																																																
181.120A	Metrology Engineering Supervision FY06	01MAY06A	107*				37,596.96	37,596.96																																																
181.122	PPPL EM LOE FY08	01OCT07*	186*	30JUN08		314	180,301.00	200,288.00																																																
181.120B	Metrology Engineering Supervision FY07	02OCT06*	249*	28SEP07		500	156,021.77	30,769.78																																																

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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	ECP-53	ECP-52 (note; may be incomplete see RLS)	FY07												FY08												FY09																							
									O				N				D				J				O				N				D				J				O				N				D				J			
									J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O														
181.125	Title III field period assembly FY07 ORNL support	02OCT06*	249*	28SEP07		500	189,450.10	193,043.70	[Redacted]												cole=963; mcginnis=160																																			
FY07 Rebaseline Exercise																																																								
ECP53RBX10	FY07 Rebaseline exercise	01FEB07*	85*	31MAY07		584	5,008.00	0.00	[Redacted]												EM/EM =32hr ;																																			
Job: 1810 - Field Period Assembly-VIOLA																																																								
General F.P. Assy support																																																								
S0P0-200	LOE Crane support, fixture setupfor TFTR TC.	02OCT06*	249*	28SEP07		500	65,667.17	69,766.65	[Redacted]												CRANE OPERATOR COVERAGE @ 50%=838hrs																																			
S0P0-250	LOE Crane support, fixture setupfor TFTR TC.	02OCT07*	248*	29SEP08		251	68,785.80	71,644.54	[Redacted]												CRANE OPERATOR COVERAGE																																			
S0P0-300	LOE Metrology support	02OCT06*	249*	28SEP07		500	135,354.24	143,804.16	[Redacted]												Ducco 100%=1728hrs																																			
Station 1-VV Prep (hard surface components) FP#1																																																								
S1P1-104	Install heater tape on vertical ports	02OCT06		06OCT06		160	8,839.61	8,409.58	[Redacted]												edwards=53;em//tb=19																																			
S1P1-105	Verify installation of heater tapes	09OCT06		11OCT06		160	2,494.80	2,329.56	[Redacted]												edwards=18																																			
S1P1-105.1	Check port weld fit-up	12OCT06		20OCT06		160	8,772.96	9,320.64	[Redacted]												rigger=56; welder=56																																			
S1P1-107	Install random magnetic diagnostic sensors	23OCT06		07DEC06		160	55,534.08	54,435.84	[Redacted]												edwards=224;em//tb=224																																			
S1P1-107.1	Loop termination & verification	08DEC06		14DEC06		160	7,242.20	7,497.70	[Redacted]												em//tb=20;em//sm=20																																			
S1P1-106	Attach studs for coolant lines	15DEC06		09JAN07		160	18,222.12	17,861.76	[Redacted]												em//tb=110;ee//sm=110																																			
S1P1-107.2	Install precision magnetic diagnostic sensors	10JAN07		20FEB07		160	52,063.20	51,033.60	[Redacted]												edwards=210;em//tb=210																																			
S1P1-108	Install cooling/htg lines to vac vsl	21FEB07		26MAR07		160	41,650.56	40,826.88	[Redacted]												em//tb=245;ee//sm=245																																			
S1P1-109	Verify Instl of H/C lines,headers,manifolds	03APR07*		09APR07		155	9,978.78	9,781.44	[Redacted]												em//tb=46;ee//sm=46																																			
S1P1-110	Install local I&C (incl thermocouples)	10APR07		18APR07		155	14,100.45	13,821.60	[Redacted]												ee//sm=65;em//tb=65																																			
S1P1-111	Verify installation of local I&C	19APR07		23APR07		155	6,074.04	5,953.92	[Redacted]												ee//sm=28;em//tb=28																																			
S1P1-112	Final Scan	24APR07		30APR07		155	7,191.23	7,049.01	[Redacted]												ee//sm=33;em//tb=33																																			
S1P1-116	Prepare and transfer completed VV to holding are	01MAY07		03MAY07		155	9,111.06	8,930.88	[Redacted]												em//tb=42;ee//sm=42																																			
Station 1- VV Prep (hrd surf cmpntsFP#2 (VVSA#3)																																																								
S1P2-101A	Prep for mounting on fixture,Instl flanges	08DEC06*		14DEC06		172	3,603.18	3,828.12	[Redacted]												em//tb=46																																			
S1P2-102	Mount VV on VV Prep fixture (top side up)	15DEC06		18DEC06		172	1,416.03	1,433.10	[Redacted]												em//.tb=11;ee//sm=4																																			
S1P2-103	Establish metrology setting; align VV base	19DEC06		21DEC06		172	4,778.13	5,076.42	[Redacted]												em//tb=61;																																			
S1P3-103.2	Perform full machine best fit	22DEC06		02JAN07		177	2,217.60	2,070.72	[Redacted]												ubrown (under 8203) edwards =16																																			
S1P2-105.1	Check port weld fit-up	22DEC06		09JAN07		172	8,772.96	9,320.64	[Redacted]												rigger=56; welder=56																																			
S1P2-103.1	Layout diagnostic&coolant paths on vessel	10JAN07		14FEB07		172	28,477.05	29,060.04	[Redacted]												em//tb=245;ee//sm=67																																			
S1P2-104	Install heater tape on vertical ports	15FEB07		20FEB07		172	5,260.29	5,446.02	[Redacted]												ee//sm=8;em//tb=53																																			
S1P2-105	Verify installation of heater tapes	21FEB07		21FEB07		172	1,416.03	1,433.10	[Redacted]												ee//sm=4;em//tb=11																																			
S1P2-107	Wind magnetic diagnostic sensors	23FEB07		22MAR07		172	21,932.40	23,301.60	[Redacted]												em//tb=420;																																			
S1P2-107.1	Loop termination & verification	23MAR07		04APR07		172	3,355.10	3,452.20	[Redacted]												em//tb=10;em//sm=20																																			
S1P2-106	Attach studs forcoolant lines	05APR07		20APR07		172	14,334.39	15,229.26	[Redacted]												em//tb=183																																			
S1P2-107.2	Install precision magnetic diagnostic sensors	23APR07		24MAY07		172	35,359.59	34,660.32	[Redacted]												em//tb=163;ee//sm=163																																			
S1P2-108	Install cooling/htg lines to vac vsl	25MAY07		28JUN07		172	30,078.72	31,956.48	[Redacted]												em//tb=384																																			
S1P2-109	Verify Instl of H/C lines,headers,manifolds	29JUN07		06JUL07		172	8,243.34	8,080.32	[Redacted]												ee//sm=38;em//tb=38																																			
S1P2-110	Install local I&C (incl thermocouples)	09JUL07		17JUL07		172	10,008.60	10,151.94	[Redacted]												ee//sm=27;em//tb=80																																			
S1P2-111	Verify installation of local I&C	18JUL07		20JUL07		172	4,989.39	4,890.72	[Redacted]												ee//sm=23;em//tb=23																																			

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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	ECP-53	ECP-52 (note; may be incomplete see RLS)	FY07												FY08												FY09																											
									O				N				D				J				F				M				A				M				J				J				A				S				O			
									N				O				N				D				J				F				M				A				M				J				J				A				S			
19 - Stellarator Core Management and Integration																																																												
Job: 1901 - Stellarator Core Mngt&Integr-COLE																																																												
191 - Stellarator Core Management & Oversight																																																												
0191-6X	LOE-FY07 WBS 191	03OCT06*	247	27SEP07		501	49,522.00	50,226.00	NELSON 220 35=12 k																																																			
0191-7	LOE-FY08 WBS 191	03OCT07*	247	29SEP08		251	42,362.70	43,591.00	NELSON 173 35=12 k																																																			
191-8	LOE-FY09 WBS 191	03OCT08*	130	15APR09		118	0.00	0.00	NELSON 0 35=0																																																			
192 - Stellarator Core Integration & Analysis																																																												
0192-6X	LOE-FY07 WBS 192	03OCT06*	242	20SEP07		506	155,899.20	158,033.60	cole=487 (27%) ornlem tbd=180 (10%) ornlm&s=\$29.95 35= 12 k																																																			
0192-7	LOE-FY08 WBS 192	03OCT07*	242	22SEP08		256	201,419.90	207,916.40	cole=915 ornlm&s=\$29.95 35= 12 k																																																			
0192-99	LOE-FY09	01OCT08*	130	13APR09		120	149,156.00	153,664.00	COLE=644; orn35=12 orn141=\$20k																																																			
FY07 Rebaseline Exercise																																																												
ECP53RBX13	FY07 Rebaseline exercise	01FEB07*	85*	31MAY07		584	20,244.00	0.00	ORNLEM =120hr ;																																																			
21 - Fueling Systems																																																												
Job: 2101 - Fueling Systems-BLAMCHARD																																																												
ECP 16 October 2004																																																												
21-10	Eng. Work Planning and Design	01NOV07*	40	08JAN08		148	16,391.00	18,208.00	Blanchard =100hr ;																																																			
21-15	Design Gas Handling Hardware	01NOV07	40	08JAN08		148	5,252.52	5,246.28	EM//SM =40hr ;																																																			
21-20	Design PLC Controls	01NOV07	40	08JAN08		188	0.00	0.00																																																				
21-25	Electrical Drafting for pumping system	01NOV07	40	08JAN08		188	6,356.48	6,320.60	EA/DM =52hr ;																																																			
21-30	Drafting	01NOV07	40	08JAN08		188	6,356.48	6,320.60	EA/DM =52hr ;																																																			
21-35	Eng. Work Planning and Design during fab	09JAN08	40	04MAR08		188	3,606.02	4,005.76	Blanchard =22hr ;																																																			
21-40	Fabrication/Install Hardware	09JAN08	40	04MAR08		148	3,232.32	3,228.48	EM//SM =24hr ;																																																			
21-45	Fabrication/installation	05MAR08	40	29APR08		148	15,051.50	15,214.00	EM//SM =50hr ; EM/TB =50hr ; 41=3\$K																																																			
21-55	Install PLC Controls	05MAR08	40	29APR08		148	0.00	0.00																																																				
21-60	Integrated Systems Testing/Eng	05MAR08	40	29APR08		148	1,311.28	1,456.64	Blanchard =8hr ;																																																			
21-65	Integrated Systems Testing/Tech Support	30APR08	45	02JUL08		148	1,306.44	1,196.19	EE//SM =9hr ;																																																			
22 - Torus Vacuum Pumping Systems																																																												
Job: 2201 - Vacuum Pumping Systems-BLANCHARD																																																												
22-25	Eng. Work Planning and Design	01NOV07*	20	28NOV07		357	26,345.85	28,059.20	Blanchard =95hr ; EM//SM =80hr ;																																																			
22-30	Design PLC based control system *N/R*	03DEC07	20	08JAN08		437	0.00	0.00	ELECT SM =00hr ;																																																			
22-35	Electrical Drafting for pumping system *N/R*	03DEC07	20	08JAN08		377	0.00	0.00	MECH DESIGN =00 ;																																																			
22-40	Drafting	03DEC07	20	08JAN08		357	9,656.96	9,602.45	EA/DM =79hr ;																																																			
22-45	Eng. Work Planning and Design during fab	09JAN08	20	05FEB08		357	6,228.58	6,919.04	Blanchard =38hr ;																																																			
22-50	Perform maint. & repair of pmpg sys	09JAN08	20	05FEB08		357	5,521.88	5,515.32	EM//SM =41hr ;																																																			
22-55	Repair and Calibration vac instrumentation*N/R*	06FEB08	60	29APR08		357	0.00	0.00	FOM TECHS SM =00hr ;																																																			
22-60	Fabrication/installation	06FEB08	40	01APR08		377	26,706.00	27,115.20	EM//TB =120hr ; 41=12\$K ;																																																			

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	ECP53 BASELINE
	Progress Bar
	Critical Activity

EC53

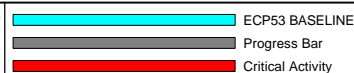
NCSX
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BASELINE SCHEDULE

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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	ECP-53	ECP-52 (note; may be incomplete see RLS)	FY07												FY08												FY09																																																																											
									O				N				D				J				F				M				A				M				J				J				A				S				O				N				D				J				F				M				A				M				J				J				A				S				C			
431-230	Load test	01JUL05A	209*	31OCT07		477	18,901.12	18,915.66	Hatcher=40;mg wisowaty=120 raki=16																																																																																																			
431-240	Simulate each of 6 pwr loops in PSCAD	01OCT07*	40	23NOV07		460	19,562.08	19,620.96	Hatcher=80 ee/tb=64																																																																																																			
431-250	c-site dc sys DGS dsn documentation	01OCT07*	40	23NOV07		460	7,719.52	7,684.24	raki=16;jones=40																																																																																																			
431-261	Redo power loop design	01OCT07*	40	23NOV07		179	51,976.96	51,749.92	raki=128;jones=240																																																																																																			
431-265	Fabricate bus components	26NOV07*	55	21FEB08		179	18,784.72	18,469.44	raki=16;ee//sm=40;ee//tb=120																																																																																																			
431-275	Power cabling & Installation	22FEB08*	88	25JUN08		179	222,174.60	220,005.80	raki=40;ee//sm=240;ee//tb=520 powers=90;m&s=7																																																																																																			
431-276	Maint of C-site rectifiers	01OCT07*	249	29SEP08		251	21,655.61	21,918.57	ee//tb=173; 41=\$5k																																																																																																			
44 - Control and protection Systems																																																																																																												
Job: 4401 - Control & Protection-RAMAKRISHNAN																																																																																																												
441 - Electrical Interlocks																																																																																																												
441-095	Design Interlock sys	01OCT07*	65	10JAN08		135	33,708.00	33,559.20	raki=80;vankirk=160																																																																																																			
441-097	Install Interlock sys	11JAN08	65	10APR08		156	31,568.80	30,060.40	raki=80;ee//sm=120																																																																																																			
441-100	PLC Specification	11JAN08	85	08MAY08		135	15,203.76	14,498.56	raki=40;cropper=56																																																																																																			
441-105	Prep Block diagrams	11JAN08	85	08MAY08		135	18,687.60	17,688.40	raki=40;cropper=80																																																																																																			
441-110	PLC CWD's & Cabling	09MAY08*	85	09SEP08		135	24,494.00	23,004.80	marsala=40;cropper=120																																																																																																			
441-115	deliver PLC**DELETED ECP53**	09MAY08*	0	08MAY08		350	0.00	70,250.00																																																																																																				
441-120	Program PLC Logic	10SEP08	45	11NOV08		220	25,471.60	24,044.53	lawson=40;cropper=120																																																																																																			
441-125	Program Control pages	10SEP08	97	04FEB09		168	26,809.43	25,478.89	schneider=32;cropper=120;sichta=16																																																																																																			
441-130	Pre-commissioning tests	11APR08	214	20FEB09		156	26,558.49	25,110.23	raki=40;cropper=120;M&S=1																																																																																																			
441-135	Install I/O Cabling	10SEP08	130	23MAR09		135	123,986.15	123,488.63	raki=120;ee//sm=80;Powers=30 k ea//sm=160;ee//tb=160;41=\$8k																																																																																																			
442 - Kirk Key Interlocks																																																																																																												
442-1-2	Kirk Keys-Dsn	01OCT07*	41	26NOV07		127	16,854.00	16,779.60	EA/DM =80hr ; EE/EM =40hr ;																																																																																																			
442-1-4	Kirk Keys-Procure	27NOV07	65	07MAR08		127	14,050.00	14,050.00	41=10\$ k ;																																																																																																			
442-1-6	Kirk Keys-Install	10MAR08	40	02MAY08		127	45,351.68	45,239.20	EE//EM =16hr ; EE//SM =16hr ; EE//TB =60hr ;																																																																																																			
442-1-8	Kirk Keys-Commission	19MAY08	30	30JUN08		127	7,424.52	7,202.24	EE//EM =16hr ; EE//SM =20hr ; EE//TB =20hr ;																																																																																																			
443 - Real Time Control Systems																																																																																																												
443-1-2	Develop Control Algorithms-Dsn	01OCT07*	142	28APR08		150	14,149.60	14,111.20	EE//EM =80hr ;																																																																																																			
444 - Instrument Systems																																																																																																												
444-2-2	DC Potential Transducers (DCPTs)-Dsn	01OCT07*	95	21FEB08		205	11,579.28	11,526.36	EA/DM =60hr ; EE/EM =24hr ;																																																																																																			
444-2-4	DC Potential Transducers (DCPTs)-Procure	22FEB08	109	25JUL08		205	8,430.00	8,430.00	41=6k ;																																																																																																			
444-2-6	DC Potential Transducers (DCPTs)-Install	28JUL08	51	07OCT08		205	19,961.55	19,918.05	EE//EM =16hr ; EE//SM =24hr ; EE//TB =160hr ;																																																																																																			
444-2-8	DC Potential Transducers (DCPTs)-Commission	08OCT08	40	04DEC08		205	13,569.84	13,442.28	EE//EM =24hr ; EE//SM =24hr ; EE//TB =60hr ;																																																																																																			
444-3-2	DC Shunts-Dsn	01OCT07*	122	31MAR08		378	16,854.00	16,779.60	VANKIRK =80hr ; Raki =40hr ;																																																																																																			
444-3-4	DC Shunts-Procure**N/R**	02OCT06	0	29SEP06		749	0.00	0.00																																																																																																				
444-3-6	DC Shunts-Install**N/R**	02OCT06	0	29SEP06		749	0.00	0.00																																																																																																				
444-3-8	DC Shunts-Commission**N/R**	02OCT06	0	29SEP06		749	0.00	0.00																																																																																																				
444-4-2	Signal Conditioning & Cabling-Dsn	01JUL05A	108*	28NOV07		367	41,688.52	41,628.32	EA/DM =80hr ; EE/EM =200hr ;																																																																																																			

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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	ECP-53	ECP-52 (note; may be incomplete see RLS)	FY07												FY08												FY09																							
									O				N				D				J				O				N				D				J				O				N				D				J			
									J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O														
444-4-4	Signal Conditioning & Cabling-Procure	01JUL05A	241*	18DEC07		336	16,185.51	16,185.51	41=12\$K ;																																															
444-4-6	Signal Conditioning & Cabling-Install	24JAN08	68	28APR08		336	27,924.48	28,338.56	EE/EM =24hr ; EE/TB =280hr ;																																															
444-4-8	Signal Conditioning & Cabling-Commission	29APR08	22	29MAY08		336	17,678.96	17,228.72	EE/EM =48hr ; EE/SM =40hr ; EE/TB =40hr ;																																															
445 - Coil Protection Systems																																																								
445-1-2	Ground Fault Protection-Dsn	01OCT07*	82	04FEB08		151	35,893.20	35,752.80	VANKIRK =120hr ; Raki =120hr ;																																															
445-1-4	Ground Fault Protection-Procure	01NOV07*	65	12FEB08		145	25,290.00	25,290.00	41=18\$K ;																																															
445-1-6	Ground Fault Protection-Install	13FEB08*	40	08APR08		145	24,190.88	23,766.08	EE/EM =40hr ; EE/SM =48hr ; EE/TB =120hr ;																																															
445-1-8	Ground Fault Protection-Commission	07MAY08	20	04JUN08		145	10,434.96	10,178.08	EE/EM =24hr ; EE/SM =24hr ; EE/TB =32hr ;																																															
445-2-105	Overload Protect-Write spec and approve	01OCT07*	20	26OCT07		480	14,149.60	14,111.20	marsala=80																																															
445-2-110	Overload Protect-Design	01OCT07*	80	31JAN08		281	31,196.16	30,720.64	lawson=128;elect dsn=32,ee/sm=32																																															
445-2-115	Overload Protect-Fabr 4 chassis 120 mods	01FEB08*	79	21MAY08		281	30,699.24	28,801.95	marsala=48;reese=153																																															
445-2-120	Overload Protect-Test 4 units	22MAY08	20	19JUN08		281	10,304.96	9,897.60	raki=32;carson=32																																															
445-2-125	Overload Protect-Install & Rack wiring	20JUN08	20	18JUL08		281	19,667.08	18,700.79	raki=48;gibilisco=77																																															
445-2-130	Overload Protect-Write & perform ISTP	21JUL08	20	15AUG08		281	10,304.96	9,897.60	raki=32;gibilisco=32																																															
445-2-135	Overload Protect-Documentation	08OCT07*	180	27JUN08		315	10,653.28	10,601.44	raki=16;elect dsn=64																																															
445-2-140	Overload Protection&cabling design,procure instl	01OCT07*	249	29SEP08		251	60,205.25	59,697.20	raki=99;elect dsn=80;ee/sm=4 41=3;powers=10k																																															
45 - Power System Design and Integration																																																								
Job: 4501 - Power Sys Dsn & Integr-RAMAKRISHNAN																																																								
451 - System Design & Interfaces																																																								
451-0-2	Develop SRD	02APR07*	15	20APR07		612	0.00	0.00	[]																																															
451-3-2	Dwgs,asbuilts -Elect Dsn	08OCT07*	245*	30SEP08		250	169,578.40	168,745.60	Jones 1040hr ; Raki =240hr																																															
451-2-2	PDR Prep Power system -Dsn	03APR06A	86*	28NOV07		417	46,642.40	46,548.80	vankirk=160,raki=160																																															
451-2-3	PDR Power system -Dsn		0	28NOV07		457	0.00	0.00	[]																																															
451-6-2	FDR C-Site -Cabling	01SEP05A	186*	28NOV07		457	34,142.25	34,109.79	VANKIRK =120hr ; Raki =120hr ;																																															
451-2-2.1	FDR C-Site	01NOV05A	101	05FEB08		417	34,587.50	34,547.67	VANKIRK =120hr ; Raki =120hr ;																																															
451-4-2	FDR AC auxiliaries & grounding-Dsn	15FEB08*	45	17APR08		365	11,964.40	11,917.60	VANKIRK =40hr ; Raki =40hr ;																																															
451-1-2	Calculations-Dsn	01OCT07*	249	29SEP08		251	57,576.32	57,417.20	Raki =320hr ;design=8																																															
452 - Electrical Systems Support																																																								
452-1-2	Diagnostics AC Power Distr-Dsn	01OCT07*	90	14FEB08		101	29,069.73	91,903.20	ELECT DESIGN =201 ; RAKI =25hr ;																																															
452-1-4	Diagnostics AC Power Distr-Procure	15FEB08	65	15MAY08		141	435.55	1,405.00	41=00\$K ;																																															
452-1-6	Diagnostics AC Power Distr-Install	15FEB08	105	14JUL08		101	25,137.05	79,841.60	ELECT SM =25hr ; ELECT TB =25hr ; RAKI =25hr ;																																															
452-1-8	Diagnostics AC Power Distr-Commission	18JUL08	37	09SEP08		101	10,138.57	31,462.80	ELECT SM =25hr ; ELECT TB =50hr ; RAKI =13hr ;																																															
452-2-2	Diagnostics sensor cabling-Dsn	01OCT07*	43	28NOV07		145	8,381.57	26,503.60	ELECT DESIGN =50 ; RAKI =13hr ;																																															
452-2-4	Diagnostics sensor cabling-Procure	03DEC07	65	11MAR08		145	885.15	2,810.00	41=01\$K ;																																															
452-2-6	Diagnostics sensor cabling-Install	12MAR08	43	09MAY08		145	7,055.23	22,260.88	ELECT SM =10hr ; ELECT TB =50hr RAKI =08hr ;																																															
452-2-8	Diagnostics sensor cabling-Commission	12MAY08	40	08JUL08		145	2,027.48	6,292.56	ELECT SM =05hr ; ELECT TB =10hr ; RAKI =03hr ;																																															

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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	ECP-53	ECP-52 (note; may be incomplete see RLS)	FY07												FY08												FY09																							
									O				N				D				J				O				N				D				J				O				N				D				J			
56 - Central Safety Interlock Systems																																																								
Job: 5601 - Central Safety Interlock Syst-SICHTA																																																								
56-10	Preliminary Design (Title I)	02OCT07*	87	12FEB08		171	6,097.20	6,260.40	[] EC//EM =40hr ;																																															
56-20	Final Design (Title II)	13FEB08	45	15APR08		171	6,097.20	6,260.40	[] EC//EM =40hr ;																																															
56-30	Installation, Testing, Documentation (Title III)	16APR08	108	17SEP08		171	113,224.60	116,850.20	EC//EM =220hr ; EE//tb=800hr ; [] EC//EM =40hr ; 41=10\$k ;																																															
57 - Control Room Facility																																																								
Job: 5701 - Control Room Facility-SICHTA																																																								
57-10		02OCT06	0	29SEP06		749	0.00	0.00																																																
58 - Central I&C management and Integration																																																								
Job: 5801 - Central I&C Integr& Oversight-SICHTA																																																								
58-FY07	FY07 LOE support	02OCT07*	249*	30SEP08		250	12,194.40	12,520.80	[] EC//EM=80																																															
61 - Water Systems																																																								
Job: 6101 - Water Systems-DUDEK																																																								
613 - Vacuum Pumping System																																																								
623.011	Design WBS 612 **N/R**	01NOV07*	59	04FEB08		209	0.00	0.00	[]																																															
632.021	WBS 612 Assembly/Fabrication/Installation	05FEB08	40	31MAR08		209	13,423.00	13,802.48	[] em//em=10 em//tb=58; 41=\$5k																																															
62 - Cryogenic Systems																																																								
Job: 6200 - Cryost Cooling Conc Dsn-GETTELFINGER																																																								
6200-505	Analyze thermal response.Deter perf reqmts	13SEP07*	15	03OCT07		106	23,926.56	0.00	[] BROOKS =48hr ; GETTELFINGER =96hr ;																																															
6200-510	Peer review of thermal model & perf requirements	04OCT07	5	10OCT07		106	5,245.12	0.00	[] GETTELFINGER =32hr ;																																															
6200-515	Conceptual design for cryostat cooling sys (CCS)	11OCT07	15	31OCT07		106	27,470.40	0.00	[] GETTELFINGER =96hr ; MORRIS =96hr ;																																															
6200-520	Prototype CCS elements in CTF use a MC as load.	01NOV07*	40	08JAN08		106	112,692.64	0.00	[] 41=20\$k ; EM//TB =512hr ; [] GERNHARDT =48hr ; GETTELFINGER =208hr ;																																															
6200-525	Conduct CDR for cryostat cooling system design.	09JAN08	5	15JAN08		106	5,245.12	0.00	[] GETTELFINGER =32hr ;																																															
Job: 6201 - Cryogenic Systems-DUDEK																																																								
621 - LN2-LHe Supply System																																																								
631-001	Preliminary Design	01OCT07*	30	09NOV07		247	14,587.99	16,205.12	[] EM//EM =89hr ;																																															
631-010	Final Design**reduced scope	12NOV07	30	03JAN08		247	16,543.83	18,149.92	[] EM//EM =89hr ; EA//DM =176-160=16hr ;																																															
631-020	Procurement **reduced scope	04JAN08	88	06MAY08		247	123,078.00	123,078.00	[] 41=88\$k -51.4=36.6 ;																																															
631-015	Fab/Assy/Installation**reduced scope	29FEB08	65	30MAY08		247	68,281.06	71,991.50	[] EM//EM =89hr ; EM//SM =140-116=24 [] EM//TB =580-170=410hr ;																																															
622 - LN2 Coil Cooling Supply																																																								
632-001	**deleted scope	02OCT06	0	29SEP06		749	0.00	0.00	FOM ENGR =00hr ;																																															
623 - GN2 Cryostat Cooling System																																																								
633-001	Preliminary Design	01OCT07*	20	26OCT07		232	14,587.99	16,205.12	[] EM//EM =89hr ;																																															
633-020	Procurement	12DEC07	130	20JUN08		232	112,329.75	112,329.75	[] 41=80\$k ;																																															

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	ECP-53	ECP-52 (note; may be incomplete see RLS)	FY07												FY08												FY09											
									O N D J F M A M J J A S O												O N D J F M A M J J A S O												O N D J F M A M J J A S O											
633-010	Final Design	29OCT07	30	11DEC07		232	24,367.19	25,929.12	EM/EM =89hr ; EA/DM =80hr ;																																			
633-015	Fab/Assy/Installation	19FEB08	88	20JUN08		232	68,412.79	72,266.88	EM/EM =89hr ; EM/TB =656hr ;																																			
63 - Utility Systems																																												
Job: 6301 - Utility Systems-DUDEK																																												
640.011	Design GN2, Air & Vent Systems	01OCT07*	59	02JAN08		244	32,671.20	34,014.40	em/em=80; ea/dm=160																																			
640.021	Assembly/Fabrication	03JAN08	40	27FEB08		244	70,455.58	72,889.52	em/em=48; em/tb=458; 41=\$17.40k																																			
64 - PFC/VV Heating & Cooling*ELIMINATED*																																												
Job: 6401 - PFC/VV Htng/Cooling(bakeout)-tDUDEK																																												
650.001	Eliminated scope	02OCT06	0	29SEP06		749	0.00	0.00																																				
72 - Control Room Refurbishment																																												
Job: 7201 - Control Room Walls&Floors-PERRY																																												
710.001	Install Wall east side control room	02OCT06*	24	02NOV06		707	0.00	0.00	Funded by GPP **ECP34**																																			
711B.050	Complete Control Room Flooring **post CD-4**	03NOV06*	18	30NOV06		707	0.00	0.00																																				
73 - Platform Design & Fabrication																																												
Job: 7301 - Platform Design & Fab-PERRY																																												
711A.040	Platform nut plates	01APR05A	166*	31JAN08		169	28,755.73	29,029.22	em/tb mech shop =360 hrs;41=\$1k																																			
712.020	Platform Parts	03DEC07*	22	10JAN08		184	25,249.24	26,279.76	PERRY=410;em/sm=23;em/tb=250																																			
712.030	Miscs Hardware/Material	01JUL05A	83*	31OCT07		226	45,761.87	45,761.87	41=\$35k																																			
74 - Machine Assembly Planning and Oversight																																												
Job: 7401 - TC Prep & Mach Assy Planning-PERRY																																												
Project Scope																																												
714.020	LOE FY06 prior to assy starting	02APR07*	185*	21DEC07		442	31,717.88	33,202.10	perry=120;langella90																																			
714.030	LOE FY07 thru first plasma	02JAN08*	313*	31MAR09		129	634,931.07	675,245.97	perry=2078;lang																																			
FED/Infrastructure Support (non Project cost)																																												
GPP006	GPP-Test Cell HVAC/dew point control Design*TBD	02OCT06	0	29SEP06		749	0.00	0.00																																				
GPP006.1	GPP-Test Cell HVAC/dew point control InstallTBD	02OCT06*	0	29SEP06		749	0.00	0.00																																				
GPP007	GPP-C-Site elevators Design	02OCT06*	0	29SEP06		749	0.00	0.00																																				
GPP007.1	GPP-C-Site elevators Install	02OCT06	0	29SEP06		749	0.00	0.00																																				
GPP008	GPP-Fire suppression high bay design*TBD*	02OCT06	0	29SEP06		749	0.00	0.00																																				
GPP008.1	GPP-Fire suppression high bay install*TBD*	02OCT06	0	29SEP06		749	0.00	0.00																																				
GPP009	Control Room Lights & Outlets design*TBD*	02OCT06	0	29SEP06		685	0.00	0.00																																				
GPP009.1	Control Room Lights & Outlets install*TBD*	02OCT06	0	29SEP06		685	0.00	0.00																																				
GPP010	Control Room HVAC Design **TBD**	02OCT06	0	29SEP06		685	0.00	0.00																																				
GPP010.1	Control Room HVAC Install **TBD**	02OCT06	0	29SEP06		685	0.00	0.00																																				
GPP011	Control Room Ceiling Design	01OCT07*	64	09JAN08		372	0.00	0.00																																				

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	ECP-53	ECP-52 (note; may be incomplete see RLS)	FY07												FY08												FY09																																																																																																																																																																																																																																																																										
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GPP011.1	Control Room Ceiling Install	10JAN08	64	08APR08		372	0.00	0.00																																																																																																																																																																																																																																																																																																			
GPP012	Control Rm Fire Detection & Suppression Design	02OCT06*	0	29SEP06		621	0.00	0.00																																																																																																																																																																																																																																																																																																			
GPP012.1	Control Rm Fire Detection & Suppression Install	01OCT07*	64	09JAN08		372	0.00	0.00																																																																																																																																																																																																																																																																																																			
GPPCRANE	Upgrade NCSX test cell crane	02APR07*	20	27APR07		192	0.00	0.00																																																																																																																																																																																																																																																																																																			
Test Cell Modifications & Upgrades																																																																																																																																																																																																																																																																																																											
613.030	Test Cell copper ground plane cuts	01JUL05A	130	29JUN07		563	10,468.91	10,788.76	techshop 120 41=\$1k																																																																																																																																																																																																																																																																																																		
7502-001	Test Cell 110v outlets	01APR05A	256	28SEP07	GPPX	500	13,220.00	18,879.85	81=13\$K ;																																																																																																																																																																																																																																																																																																		
7502-002	Test Cell 208v outlets	01APR05A	256	28SEP07	GPPX	500	6,610.00	9,439.93	81=07\$K ;																																																																																																																																																																																																																																																																																																		
75 - Test Cell and Basement Assembly Operations																																																																																																																																																																																																																																																																																																											
Job: 7501 - Construction Support Crew-PERRY																																																																																																																																																																																																																																																																																																											
7501-05	Construction Support Crew during machine assy	17JUN08	173*	27FEB09		73	477,820.26	486,742.85	Work Control Center em/sm=1359 (1fte) Tool Crib Control em/tb=680 (.5 fte) Crane Operator & support em/tb=1359 (1.0 fte) Forklift Operator & support em/tb=1359 (1.0 fte)																																																																																																																																																																																																																																																																																																		
7501-06	Construction Support Crew e-beam mapping&ISTP	02MAR09	35*	17APR09		73	97,395.20	102,211.20	em/tb=1120support techs (4 techs)																																																																																																																																																																																																																																																																																																		
Job: 7502 - Test Cell Facility Prep-PERRY																																																																																																																																																																																																																																																																																																											
7502-020	Resurface TC floor**DELETED**	02OCT06*	42	30NOV06		623	0.00	0.00																																																																																																																																																																																																																																																																																																			
7502-030	TC Floor firesealing**DELETED**	01DEC06	42	06FEB07		623	0.00	0.00																																																																																																																																																																																																																																																																																																			
7502-035	Control room firesealing**DELETED**	07FEB07	42	05APR07		623	0.00	0.00																																																																																																																																																																																																																																																																																																			
Job: 7503 - Machine Assembly (station 6)-PERRY																																																																																																																																																																																																																																																																																																											
Revised Assembly Logic (ecp18)																																																																																																																																																																																																																																																																																																											
7503-020	Install & Level Support Base Plates	17JUN08	8	26JUN08	2	73	66,907.80	68,122.20	EA/EM =60hr ; EM/TB =480hr ; EM/SM =120hr ;																																																																																																																																																																																																																																																																																																		
7503-030	Install/Level FPA's and Spool Piece supports	27JUN08	15	18JUL08	2	73	133,815.60	136,244.40	EA/EM =120hr ; EM/TB =960hr ; EM/SM =240hr ;																																																																																																																																																																																																																																																																																																		
7503-060	Install Lower PF 4,5&6 into prelim position	07AUG08	2	08AUG08		73	4,780.48	4,887.04	EM/SM =16hr ; EM/TB =32hr ;																																																																																																																																																																																																																																																																																																		
7503-070	Install 3 Spool Pieces on fixt & test movement	21JUL08	10	01AUG08		73	44,605.20	45,414.80	EA/EM =40hr ; EM/TB =320hr ; EM/SM =80hr ;																																																																																																																																																																																																																																																																																																		
7503-080	FPA-1 Installed on support platform		0	01AUG08		73	0.00	0.00																																																																																																																																																																																																																																																																																																			
7503-090	Install local Platforms around FPA-1	12AUG08	5	18AUG08	2	73	44,605.20	45,414.80	EA/EM =40hr ; EM/TB =320hr ; EM/SM =80hr ;																																																																																																																																																																																																																																																																																																		
7503-110	FPA-2 Installed on support platform		0	01AUG08		73	0.00	0.00																																																																																																																																																																																																																																																																																																			
7503-120	Test movement of FPA-1& -2 & position checks.	04AUG08	5	08AUG08		73	22,302.60	22,707.40	EA/EM =20hr ; EM/TB =160hr ; EM/SM =40hr ;																																																																																																																																																																																																																																																																																																		
7503-130	Install local Platforms around FPA-2	06AUG08	3	08AUG08		73	44,605.20	45,414.80	EA/EM =40hr ; EM/TB =320hr ; EM/SM =80hr ;																																																																																																																																																																																																																																																																																																		
7503-150	FPA-3 Installed on support platform		0	08AUG08		73	0.00	0.00																																																																																																																																																																																																																																																																																																			
7503-160	Position all FPA's / Spool Pieces @ MC Interface	11AUG08	6	18AUG08		73	26,763.12	27,248.88	EA/EM =24hr ; EM/TB =192hr ; EM/SM =48hr ;																																																																																																																																																																																																																																																																																																		
7503-170	FPA Metrology Checks to Assure Alignment	19AUG08	3	21AUG08		73	3,257.04	3,217.32	EA/EM =12hr ; EM/TB =12hr ;																																																																																																																																																																																																																																																																																																		
7503-190	Install local Platforms around FPA-3	22AUG08	5	28AUG08	2	73	44,605.20	45,414.80	EA/EM =40hr ; EM/TB =320hr ; EM/SM =80hr ;																																																																																																																																																																																																																																																																																																		
7503-180	MC Interfaces: shim, ream holes ,bolt together	29AUG08	15	19SEP08		73	86,599.80	88,632.60	EA/EM =60hr ; EM/TB =720hr ; EM/SM =120hr ;																																																																																																																																																																																																																																																																																																		
7503-200	Mate-up and weld all VV-to-Spool interfaces	22SEP08	15	10OCT08		73	77,638.88	77,673.60	EM/SM =120hr ; EM/TB =720hr ;																																																																																																																																																																																																																																																																																																		

Run Date 01FEB07 09:47



 ECP53 BASELINE

 Progress Bar

 Critical Activity

EC53

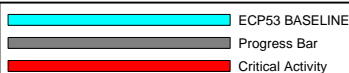
NCSX
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BASELINE SCHEDULE

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PRELIMINARY 2/1/07

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	ECP-53	ECP-52 (note; may be incomplete see RLS)	FY07												FY08												FY09																																																																											
									O				N				D				J				F				M				A				M				J				J				A				S				O				N				D				J				F				M				A				M				J				J				A				S				C			
7503-240	Bolt on preassembled pump duct	13OCT08	5	17OCT08		73	19,623.20	19,054.40																																																																																																				
7503-240.1	Install insulation boots	20OCT08	5	24OCT08	2	73	27,827.20	27,347.20																																																																																																				
7503-240.2	Install insulation	27OCT08	2	28OCT08	2	73	6,261.12	6,153.12																																																																																																				
7503-260	PTP Pumpdown & leak check VV	29OCT08	10	11NOV08		73	53,160.00	52,836.72																																																																																																				
7503-210	Fit-up all TF coils	13OCT08	10	24OCT08		73	61,188.40	59,088.40																																																																																																				
7503-270	Raise lower PF 4,5&6 coils into final position	27OCT08	6	03NOV08		73	28,364.88	27,248.88																																																																																																				
7503-280	Install Upper PF 4,5 & 6 coils	04NOV08	6	11NOV08		73	28,364.88	28,173.48																																																																																																				
7503-290	Install PF Solenoid into position (U/L PF1,2,3)	12NOV08	4	17NOV08		73	18,909.92	19,398.72																																																																																																				
7503-290A	Install trim coils	18NOV08	5	24NOV08		73	18,909.92	19,398.72																																																																																																				
7503-310	Complete LN2 connections	25NOV08	10	10DEC08		73	39,246.40	40,695.20																																																																																																				
7503-320	Complete Elect Pwr connections	25NOV08	10	10DEC08	2	73	106,320.00	110,593.60																																																																																																				
7503-321	Complete mag diag & machine I&C	25NOV08	10	10DEC08	2	73	50,665.60	52,187.20																																																																																																				
7503-340	Install Cryostat Base, vapor barrie& port boots	11DEC08	10	02JAN09		73	39,246.40	40,695.20																																																																																																				
7503-350	Install Cryostat upper section,VB and port boots	05JAN09	10	16JAN09		73	39,246.40	40,695.20																																																																																																				
7503-360	Install Midplane Cryostat sections and port boot	19JAN09	15	06FEB09		73	58,869.60	61,042.80																																																																																																				
7503-370	Install Cryostat Circulation Duct	09FEB09	5	13FEB09		73	19,623.20	20,347.60																																																																																																				
730.1248	ACC Review	12JAN09	20	06FEB09		73	0.00	0.00																																																																																																				
730.1249	PSO Operational Readiness Assessment	09FEB09	5	13FEB09		73	0.00	0.00																																																																																																				
730.1250	PSO Operational Readiness Assessment		0	13FEB09		73	0.00	0.00	<p>***** COMPLETE OPERATIONAL READINESS ASSESSMENT DOE LEVEL 2 MILESTONE PEP DATE = JUNE 2009 *****</p>																																																																																																			
730.8200	PTP and Cooldown	16FEB09	10	27FEB09		73	67,058.40	70,850.40																																																																																																				
76 - Tooling Design & Fabrication																																																																																																												
Job: 7601 - Tooling Design & Fabrication-PERRY																																																																																																												
713.020	Lab Fab/Assy/Installation	01OCT07*	329*	30JAN09		171	30,691.35	32,704.75																																																																																																				
713.030	Tooling,assy fixtures,misc equipt	01OCT07*	329*	30JAN09		171	84,804.26	84,804.26																																																																																																				
713.040	General procurements	01OCT07*	329*	30JAN09		171	63,603.19	63,603.19																																																																																																				
713.050	Welding tools, materials & equipt	01OCT07*	329*	30JAN09		171	56,536.17	56,536.17																																																																																																				
81 - Project Management and Control																																																																																																												
Job: 8101 - Project Management & Control-NEILSON																																																																																																												
FY07 Rebaseline Exercise																																																																																																												
ECP53RBX16	FY07 Rebaseline exercise	01FEB07*	85*	31MAY07		584	8,722.52	0.00																																																																																																				
ECP53RBX17	FY07 Rebaseline exercise	01FEB07*	85*	31MAY07		584	0.00	0.00																																																																																																				
810.005	Project Management OfficePPPL FY07	02OCT06*	249*	28SEP07		500	543,588.07	640,879.96																																																																																																				

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EC53

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PRELIMINARY 2/1/07

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days=1 mo.)	ECP-53	ECP-52 (note; may be incomplete see RLS)	FY07												FY08												FY09											
									O N D J F M A M J J A S O												O N D J F M A M J J A S O												O N D J F M A M J J A S O											
810.900	Project Management Office PPPL FY08	01OCT07*	250*	30SEP08		250	448,055.63	554,496.26	hutch=863 50% strykowski=1238 70% ;pam=6																																			
810.909	Project Management Office PPPL FY09	01OCT08*	163*	29MAY09		87	83,597.30	84,463.70	hutch=190 11% strykowski=190 11% ;;35=1																																			
Job: 8102 - NCSX MIE Management ORNL-LYON																																												
FY07 Rebaseline Exercise																																												
ECP53RBX18	FY07 Rebaseline exercise	01FEB07*	85*	31MAY07		584	2,699.20	0.00	ORNLLEM =16hr ;																																			
810.104X	Project Management Office ORNL FY07	02OCT06	249*	28SEP07		500	64,764.50	66,144.74	ORNLRM =530hr 30% ORNL41 =2\$																																			
810.105X	Project Management Office ORNL FY08	02OCT07*	248*	29SEP08		251	36,106.00	36,664.00	ORNLRM =180hr 10% ORNL41 =2\$ ornlam=88 5%																																			
82 - Project Engineering																																												
Job: 8202 - Engr Mgmt & Sys Eng Support-REIERSEN																																												
FY07 Rebaseline Exercise																																												
ECP53RBX19	FY07 Rebaseline exercise	01FEB07*	85*	31MAY07		584	30,734.30	0.00	SIMMONS =170hr ;																																			
820.04X	Proj engr FY07	02OCT06*	246*	25SEP07		503	397,577.03	407,962.88	wayne=1467;35=5k;dudek=690 such=173;																																			
8205FY07	Systems Engineering Support FY07	02OCT06*	246*	25SEP07		503	93,649.22	92,131.48	simmons=518																																			
820.004Z	Proj engr FY08	02OCT07*	246*	25SEP08		253	249,760.37	245,966.08	wayne=1036 60%;35=5k;dudek such=173																																			
820.005	Proj engr FY09	01OCT08*	163*	29MAY09		87	52,618.14	62,798.72	wayne=234 20%;35=3																																			
Job: 8203 - Design Integration-BROWN																																												
8203-06	Complt rvw of machine assembly approach	02OCT06*	4	05OCT06		745	0.00	0.00																																				
8203-07	Rvw cryostat & conventional magnet sys design	02OCT06*	9	12OCT06		740	0.00	0.00																																				
8203-08	tollerance reqmnts for MCsupt install fixt dwgs	02OCT06*	39	27NOV06		710	0.00	0.00																																				
8203-09	Machine suprt dsn f/compatibility with assy reqt	02OCT06*	12	17OCT06		737	0.00	0.00																																				
8203-10	Dynamic simul MC half period install fixt w/ Pro	02OCT06*	42	30NOV06		707	0.00	0.00																																				
8203-11	Document NCSX Interlink& dwg control process	02OCT06*	11	16OCT06		738	0.00	0.00																																				
8203-12	Update definition VV spool piece assy simul	02OCT06*	19	26OCT06		730	0.00	0.00																																				
8203FY07	Design Integration FY07	02OCT06*	249*	28SEP07		500	193,445.30	183,608.44	brown=1070 62%																																			
8203FY07M	Design Integration FY07	25JUN07*	39*	17AUG07		529	37,344.00	0.00	morris=320																																			
8203GY07M	Design Integration FY07	01MAY07*	43*	29JUN07		563	14,004.00	0.00	morris=120																																			
Job: 8204 - Systems Analysis-BROOKS																																												
8204FY07	Systems Analysis FY07	02OCT06*	249*	28SEP07		500	249,634.83	245,589.09	brooks=1380 (80%)																																			
Job: 8205 - Dimensional Control Coordin-REIERSEN																																												
METFY07R	Metrology for FP & machine assy FY07	03OCT06*	248*	28SEP07		500	31,276.67	30,769.78	raftoplous (measurement) 10% =173hrs																																			
METFY07R1	Metrology for FP & machine assy FY07 ecp53	01FEB07*	169*	28SEP07		500	63,276.50	0.00	ellis=350																																			
METFY08R	Metrology for FP & machine assy FY08	03OCT07*	247*	29SEP08		251	32,761.01	31,598.45	raftoplous (measurement) 10%																																			

Run Date 01FEB07 09:47

ECP53 BASELINE
Progress Bar
Critical Activity

EC53

NCSX
ECP-53
BASELINE SCHEDULE

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PRELIMINARY 2/1/07

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	ECP-53	ECP-52 (note; may be incomplete see RLS)	FY07												FY08												FY09																							
									O				N				D				J				O				N				D				J				O				N				D				J			
									J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Job: 8206 - FY07 Rebaseling tasks																																																								
FY07 Rebaseline Exercise																																																								
ECP53RBX23	FY07 Rebaseline exercise	01FEB07*	85*	31MAY07		584	20,032.00	0.00	EM//EM =128hr ;																																															
ECP53RBX24	FY07 Rebaseline exercise	01FEB07*	85*	31MAY07		584	16,226.56	0.00	EC//EM =112hr ;																																															
ECP53RBX25	FY07 Rebaseline exercise	01FEB07*	85*	31MAY07		584	3,715.36	0.00	EE//EM =22hr ;																																															
85 - Integrated Systems Testing																																																								
Job: 8501 - Integrated Systems Testing-GENTILE																																																								
920.001	Procedure and Document Preparation	27MAY08*	150	06JAN09		101	355,410.72	378,034.78	em//em=1162;em//sm=1162																																															
920.000	Startup Personnel	08JAN09	72	17APR09		73	421,878.48	435,467.96	em//em=428, ee//em=503, ec//em=125 em//sm=855, ee//sm=0, em//tb=125 r//rm2=428;ee//tb=250																																															
920.005	Punch list,Cmplt PTP's,Reconfig, Rm temp Hi-pot	08JAN09	37	27FEB09		73	0.00	0.00	[Red bar]																																															
920.010	Field Coil Testings,FCPC test & E-Beam Mapping	02MAR09	25	03APR09		73	0.00	0.00	[Red bar]																																															
920.020	Final ISTP	06APR09	7	14APR09		73	0.00	0.00	[Red bar]																																															
920.021	Operations Approval	15APR09	3	17APR09		73	0.00	0.00	[Red bar]																																															
730.9000	First Plasma		0	17APR09		73	0.00	0.00	[Red bar]																																															
M-0120	CD-4 First Plasma		0	31JUL09*		0	0.00	0.00	[Red bar]																																															
PPPL Allocations																																																								
Job: 8998 - Allocations-STRYKOWSKY																																																								
99.07	PPPL Allocations FY07	02OCT06*	250*	01OCT07		499	322,494.27	332,787.44	[Red bar] 54=187.9																																															
99.08	PPPL Allocations FY08	01OCT07*	249*	29SEP08		251	166,336.61	166,336.61	[Red bar] 54=92.77																																															
Contingency																																																								
Contingency-Project																																																								
99.106	Contingency setaside for FY07 1st qrt cv	02OCT06*	58*	22DEC06		691	690,000.00	0.00	[Red bar]																																															
99.107	Contingency FY07	02JAN07*	191*	28SEP07		500	0.00	1,610,000.00	[Red bar]																																															
99.108	Contingency FY08	01OCT07*	250*	30SEP08		250	2,308,558.66	2,959,180.00	[Red bar]																																															
99.109	Contingency FY09	01OCT08*	99*	27FEB09		151	131,392.00	132,252.00	[Red bar]																																															
Run Date	01FEB07 09:47	ECP53 BASELINE		EC53	NCSX		Sheet 37 of 37		PRELIMINARY 2/1/07																																															
		Progress Bar			ECP-53																																																			
		Critical Activity			BASELINE SCHEDULE																																																			
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