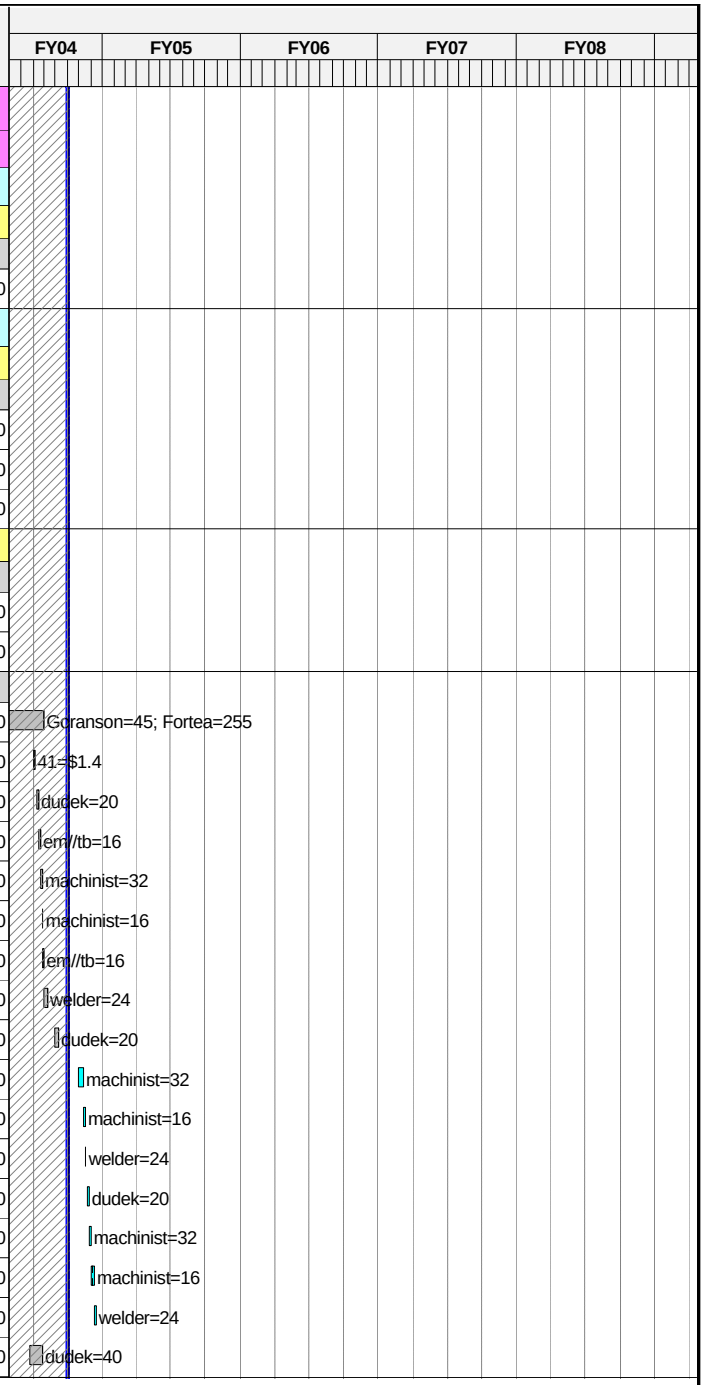
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
cc 9450 - NCSX Fabrication (MIE)								
1 - Stellarator Core Systems								
11 - In-Vessel Components								
Job: 1101 - Limiter Adv Conc/Prel Dsn-GORANSON								
FY03 Actual Cost								
1101-100	Update Conceptual Design	15JUL03A	78*	30SEP03A		100	60.00	60.00
12 - Vacuum Vessel Systems								
Job: 1201 - Vacuum Vessel Prelim Dsn-GORANSON								
FY03 Actual Cost								
1201-002	Apr-Sept MIE Cost ORNL	01APR03A	47	30SEP03A		100	319,050.00	319,050.00
1201-003	Apr-MSept MIE Cost PPPL	01APR03A	47	30SEP03A		100	105,370.00	105,370.00
1201-500	WBS 12 & 14 PDR		0	07OCT03A			0.00	0.00
Job: 1202 - Vacuum Vessel R&D - VIOLA								
FY03 Actual Cost								
1202-002	Apr-Sept MIE Cost ORNL	01APR03A	47	30SEP03A		100	60.00	60.00
1202-003	Apr-Sept MIE Cost PPPL	01APR03A	47	30SEP03A		100	128,340.00	128,340.00
Vessel Weld Joint R&D								
1203-405	Field Weld joint design and Specific spool piece	01DEC03A	107*	30APR04A		100	38,607.00	38,607.00
1202-800	Inconnel Procurement *ECP6*	01APR04A	10	09APR04A		100	1,783.60	1,783.60
1202-803	Drawings for Arc/Samples *ECP6*	12APR04A	10	16APR04A		100	3,230.00	3,230.00
1202-806	Waterjet Arcs *ECP6*	19APR04A	2	22APR04A		100	1,228.80	1,228.80
1202-809	Machine weld groove *ECP6*	23APR04A	5	26APR04A		100	3,369.60	3,369.60
1202-812	Anneal Samples *ECP6*	27APR04A	2	28APR04A		100	1,684.80	1,684.80
1202-815	Setup weld test *ECP6*	29APR04A	4	30APR04A		100	1,228.80	1,228.80
1202-818	Weld samples *ECP6*	03MAY04A	6	10MAY04A		100	2,527.20	2,527.20
1202-821	Eval & Redesign Joint iteration 2 *ECP6*	01JUN04A	5	07JUN04A		100	3,230.00	3,230.00
1202-824	Machine iteration 2 *ECP6*	02AUG04*	10*	13AUG04	669		0.00	3,369.60
1202-827	Anneal iteration 2 *ECP6*	16AUG04	2	17AUG04	669		0.00	1,684.80
1202-830	Weld iteration 2 *ECP6*	18AUG04	3	20AUG04	669		0.00	2,527.20
1202-833	Eval & redesign joint iteration 3 *ECP6*	23AUG04	4	26AUG04	669		0.00	3,230.00
1202-836	Machine iteration 3 *ECP6*	27AUG04	4	01SEP04	669		0.00	3,369.60
1202-839	Anneal iteration 3 *ECP6*	02SEP04	5	09SEP04	669		0.00	1,684.80
1202-842	Weld iteration 3 *ECP6*	10SEP04	4	15SEP04	669		0.00	2,527.20
1202-845	SOW for full size test sample *ECP6*	24MAR04A	28*	28APR04A		100	6,460.00	6,460.00



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

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CD-3 Baseline
ECP-14

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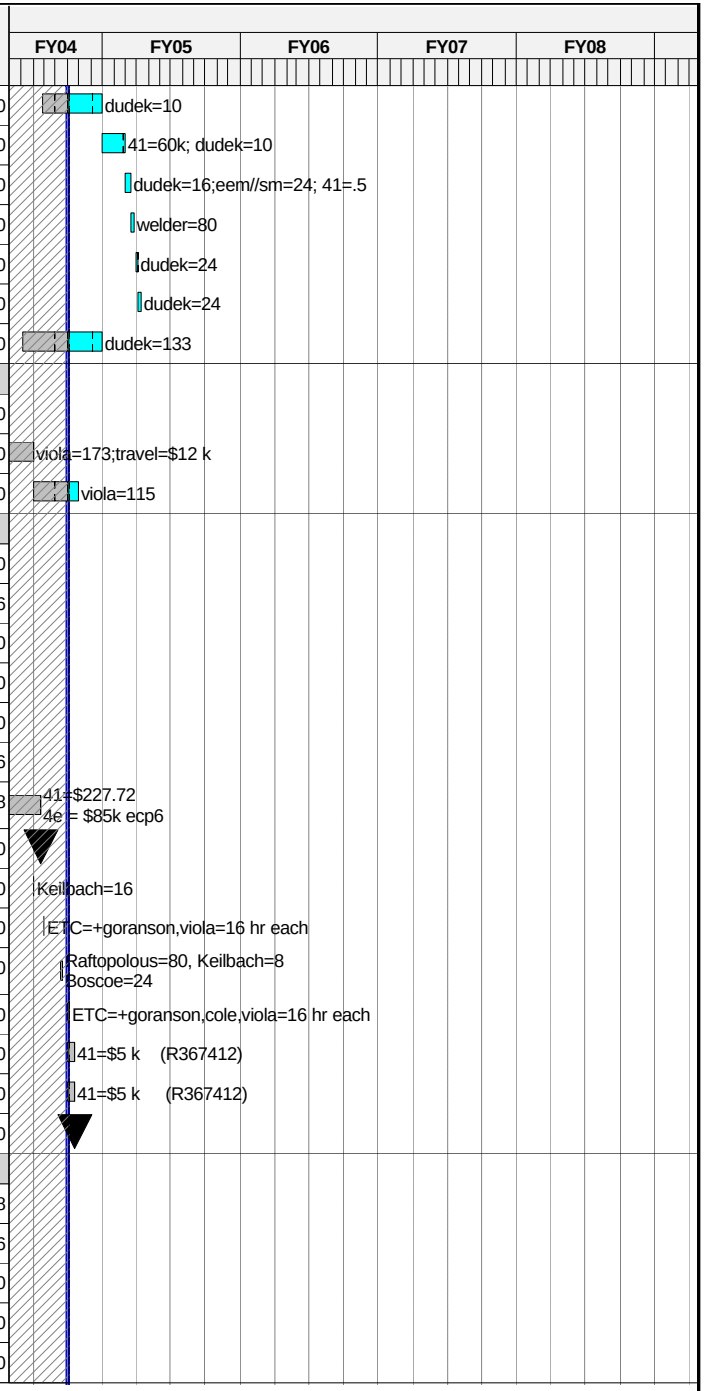
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
1202-848	Bid,eval,award full size test sample *ECP6*	29APR04A	108*	30SEP04	616	LOE	657.31	1,615.00
1202-851	vendor fab & deliver full size sample *ECP6*	01OCT04	42	01DEC04	616		0.00	79,181.00
1202-854	Instrument sample *ECP6*	02DEC04	11	16DEC04	616		0.00	5,902.80
1202-857	Perform welds on sample *ECP6*	17DEC04	5	23DEC04	616		0.00	8,664.00
1202-860	Measure Results *ECP6*	28DEC04	6	05JAN05	616		0.00	3,986.40
1202-863	Report Results *ECP6*	06JAN05	5	12JAN05	616		0.00	3,986.40
1202-866	Engineering Oversght *ECP6*	03MAR04A	149*	30SEP04	1,290	LOE	10,402.22	18,249.50
VV Subcontractor Oversight								
1202-400	Oversight and Contract Management	01OCT03A	79*	02JAN04A		LOE	62,738.00	62,738.00
1202-401	Oversight and Contract Management	05JAN04A	63*	31MAR04A		LOE	48,687.50	48,687.50
1202-402	Oversight and Contract Management	01APR04A	85*	30JUL04	1,302	LOE	13,985.09	18,572.50
Major Tool Subcontract (S04344F)								
1202-303	MT-Issue VVSA MIT/QA plans and C&S Est (3.1)	02JUN03A	0*	13JUN03A		100	17,153.60	17,153.60
1202-305	MT-Issue Draft MIT/QA plan (3.2.1)	13JUN03A	15	27JUN03A		100	10,050.56	10,050.56
1202-310	MT-Incorp Comments & Reissue MIT/QA Plan	10JUL03A	0*	17JUL03A		100	0.00	0.00
1202-315	Fiinalize SOW/contract & Release MT for PVVS Fab	18JUL03A	52*	15AUG03A		100	0.00	0.00
1202-320	MT-PPPL Fabrication Release		0	15AUG03A		100	0.00	0.00
1202-324	MT-PVVS Begin Fabrication (3.2.2)	18AUG03A	56*	30SEP03A		100	368,464.16	368,464.16
1202-325	MT-PVVS Complete Fabrication (3.2.2) [A/ 1]	10NOV03A	122*	23APR04A		100	375,115.28	375,115.28
1202-325.1	Major Tool VVSA Prototype Received		0	23APR04A		100	0.00	0.00
1202-325A	Vist MT for welding	01APR04A	3	01APR04A		100	2,584.00	2,584.00
1202-326	Prep Inspection Plan for MT PVVS	30APR04A	5	30APR04A		100	0.00	0.00
1202-327	PPPL Receipt Inspection of MT PVVS	14JUN04A	5	18JUN04A		100	14,148.00	14,148.00
1202-328	Prep Inspection Report of MT PVVS	01JUL04A	5	08JUL04A		100	0.00	0.00
1202-330	MT-Final MIT/QA plans for VVSA (3.3.1)	01JUL04A	15*	22JUL04A		100	6,370.00	6,370.00
1202-335	MT-Firm Fixed Price Proposal for VVSA (3.3.2)	01JUL04A	15*	22JUL04A		100	6,370.00	6,370.00
1202-335.1	Major Tool VVSA Price Proposal Received		0	22JUL04A		100	0.00	0.00
Rohwedder Subcontract (S04345F)								
1202-403	RW-Issue VVSA MIT/QA plans and C&S Est (3.1)	02JUN03A	0*	13JUN03A		100	71,888.08	71,888.08
1202-405	RW-Issue Draft MIT/QA plan (3.2.1)	13JUN03A	76*	27JUN03A		100	19,352.16	19,352.16
1202-410	RW-Incorp Comments&Reissue MIT/QA Plan (3.2.1)	10JUL03A	0*	17JUL03A		100	0.00	0.00
1202-415	Fiinalize SOW/contract & Release MT for PVVS Fab	18JUL03A	52*	15AUG03A		100	0.00	0.00
1202-420	RW-PPPL Fabrication Release		0	15AUG03A		100	0.00	0.00



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
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Critical Activity

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CD-3 Baseline
ECP-14

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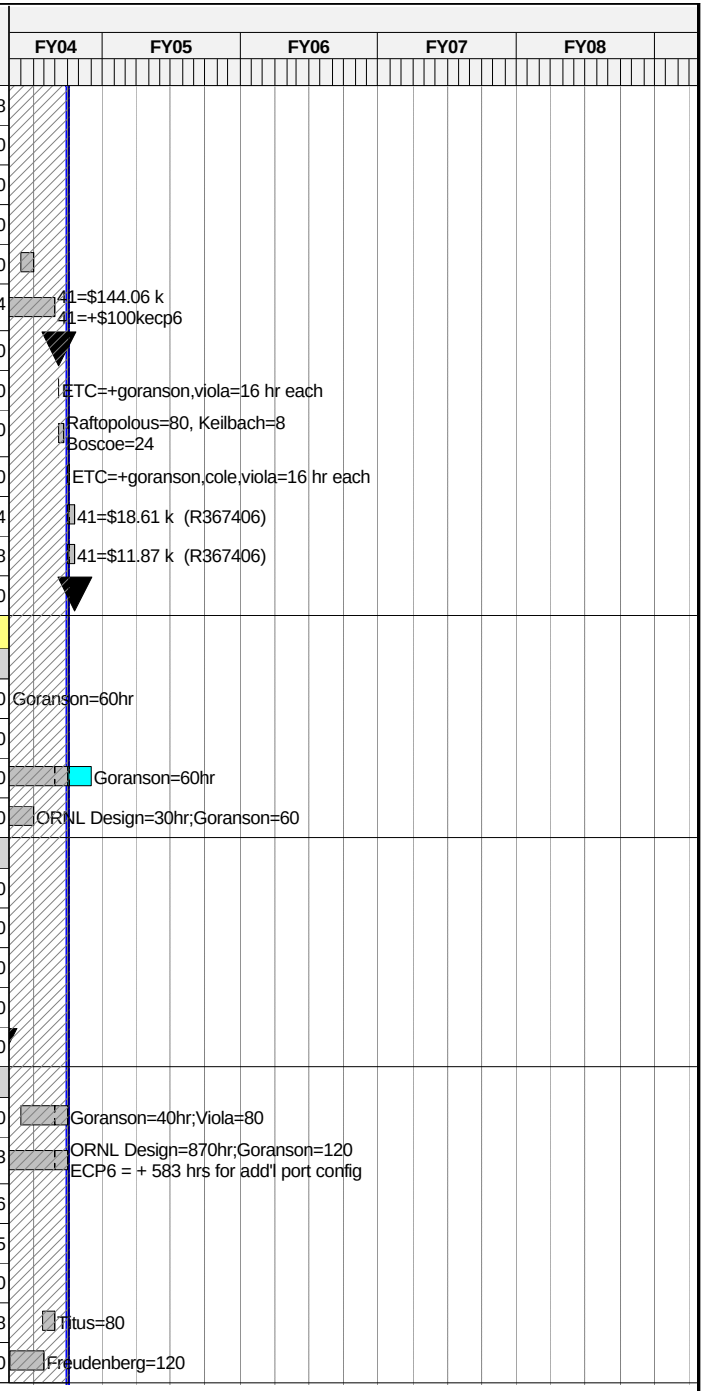
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
1202-424	RW-PVVS Begin Fabrication (3.2.2)	18AUG03A	131*	30SEP03A		100	143,280.88	143,280.88
1202-424A	RW identify fabricator	01DEC03A	1	15DEC03A		100	0.00	0.00
1202-424B	PPPL approve new fabricator	16DEC03A	1	31DEC03A		100	0.00	0.00
1202-424D	PPPL visit fabricator (Jan)	01JAN04A	2	30JAN04A		100	0.00	0.00
1202-424E	PPPL visit fabricator (Feb)	01MAR04A	2	31MAR04A		100	0.00	0.00
1202-425	RW-PVVS Complete Fabrication (3.2.2)	01OCT03A	170	28MAY04A		100	311,059.84	311,059.84
1202-425.1	Rohwedder VVSA Prototype Received		0	08JUN04A		100	0.00	0.00
1202-426	Prep Inspection Plan for RW PVVS	07JUN04A	5	08JUN04A		100	0.00	0.00
1202-427	PPPL Receipt Inspection of RW PVVS	08JUN04A	10	21JUN04A		100	14,148.00	14,148.00
1202-428	Prep Inspection Report of RW PVVS	01JUL04A	5	08JUL04A		100	0.00	0.00
1202-430	RW-Final MIT/QA plans for VVSA (3.3.1)	01JUL04A	15*	22JUL04A		100	23,709.14	23,709.14
1202-435	RW-Firm Fixed Price Proposal for VVSA (3.3.2)	01JUL04A	15*	22JUL04A		100	15,122.38	15,122.38
1202-435.1	Rohwedder VVSA Price Proposal Received		0	22JUL04A		100	0.00	0.00
Job: 1203 - Vacuum Vessel Final Dsn-GORANSON								
Closeout PDR Design Deliverables								
1203-101	Prepare documents for PDR closeout	03NOV03A	62*	30JAN04A		100	7,721.40	7,721.40
1203-111	Response to chits, prepare FY04	01OCT03A	25	31OCT03A		100	7,721.40	7,721.40
1203-121	Review, revise, and approve SRD	01NOV03A	212*	31AUG04	1,304	90	6,949.26	7,721.40
1203-131	Complete preliminary design of insulation and he	10NOV03A	122*	31MAR04A		100	11,582.10	11,582.10
PDR Recommendations								
1203-400	350c Bakeout Study	03NOV03A	94*	31DEC03A		100	25,738.00	25,738.00
1203-401	Analysis & testing of tube attachment method	01DEC03A	20	31DEC03A		100	0.00	0.00
1203-402	Determine thermal expansion vv to mcc clearance	01NOV03A	39*	31DEC03A		100	0.00	0.00
1203-403	Determine cost of fabrication	01DEC03A	20	31DEC03A		100	0.00	0.00
1203-404	DECISION TO PROCEED WITH 350c BAKEOUT		0	31DEC03A		100	0.00	0.00
Final Design Tasks								
1203-141	Finalize Spec for VVSA	01MAR04A	87*	30JUN04A		100	18,067.60	18,067.60
1203-151	Update VVSA Drawings incl ECP6 add'l port config	01DEC03A	149*	30JUN04A		100	202,403.63	202,403.63
1203-181	Start Thermal Analyses	01NOV03A	82*	30JAN04A		100	23,012.76	23,012.76
1203-191	Start Eddy Current Analyses	03NOV03A	87*	30JAN04A		100	3,536.05	3,536.05
1203-202	Start Port Nozzle Analysis	02JAN04A	63*	30JAN04A		100	5,142.40	5,142.40
1203-233	Check structural analysis	26APR04A	25*	28MAY04A		100	12,638.08	12,638.08
1203-235	Perform Local Thermal Analysis	02FEB04A	65*	30APR04A		100	15,442.80	15,442.80



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
Critical Activity

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CD-3 Baseline
ECP-14

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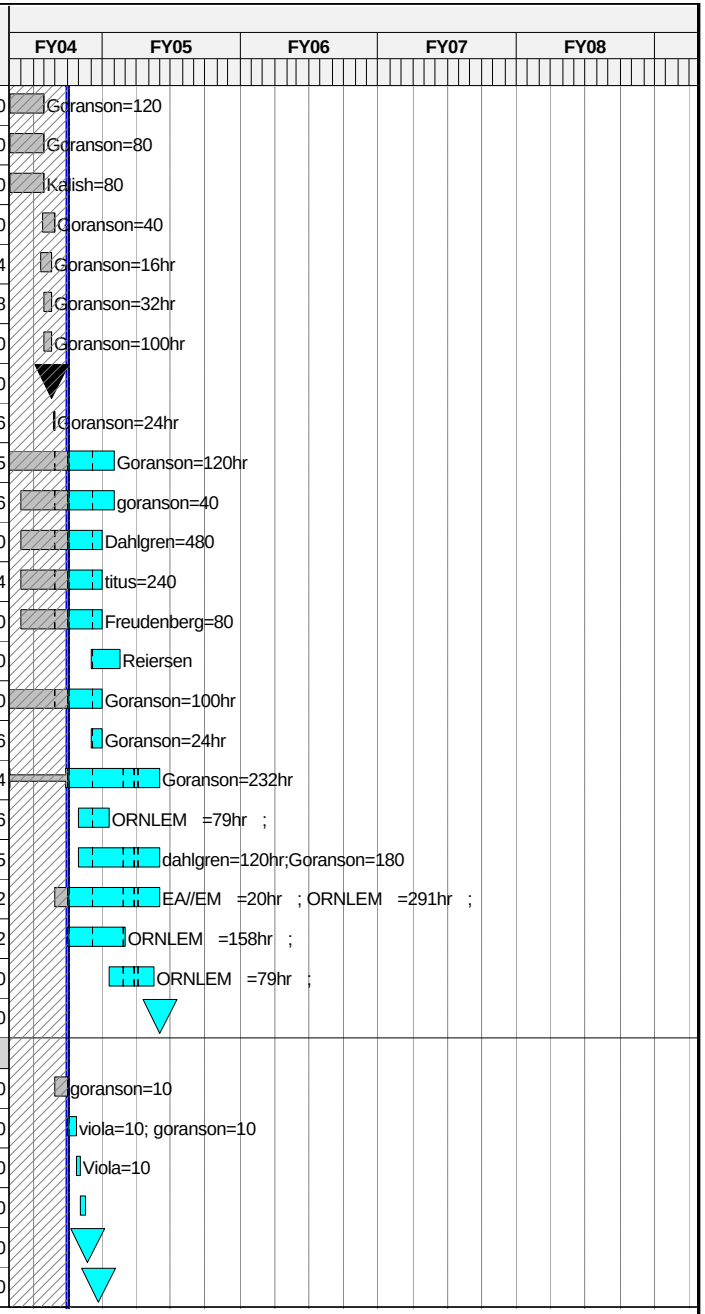
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
1203-236	Checdk Local Thermal Analysis	02FEB04A	65*	30APR04A		100	15,442.80	15,442.80
1203-237	Perform Thermal-Hydraulic Analysis VV htg/clng	02FEB04A	65*	30APR04A		100	10,295.20	10,295.20
1203-238	Check Thermal-Hydraulic Analysis VV htg/clng	02FEB04A	65*	30APR04A		100	12,856.00	12,856.00
1203-240	Check Analysis of VV Supports	26APR04A	25*	28MAY04A		100	5,147.60	5,147.60
1203-291	Update Design Basis Document	20APR04A	29*	18MAY04A		100	2,059.04	2,059.04
1203-321	Assemble FDR Drawing Package, Check & Promote	03MAY04A	20*	18MAY04A		100	4,118.08	4,118.08
1203-331	Prepare Presentations	03MAY04A	20*	18MAY04A		100	12,869.00	12,869.00
1203-341	Conduct VVSA FDR		0	19MAY04A		100	0.00	0.00
1203-311	Prepare Final Design ECP	24MAY04A	10	28MAY04A		100	3,088.56	3,088.56
1203-161	Finalize & Sign All ICDs	17NOV03A	245*	01NOV04	459	50	7,787.03	15,574.05
1203-201	Update/Perform FMECA Analyses	01MAR04A	173*	01NOV04	459	85	4,428.13	5,209.56
1203-232	Structural Analysis of Vac Vsl	01MAR04A	151*	30SEP04	481	98	75,593.28	77,136.00
1203-234	Perform Global Seismic Analysis	01MAR04A	151*	30SEP04	481	85	32,227.10	37,914.24
1203-239	Perform Analysis of VV Supports	01MAR04A	151*	30SEP04	481	95	9,780.44	10,295.20
1203-241	Check FMECA Analyses	01SEP04*	53*	15NOV04	449		0.00	0.00
1203-261	Provide Input to FP assy, Install & Startup Plan	01OCT03A	256*	30SEP04	481	90	11,582.10	12,869.00
1203-301	Update Cost and Schedule Estimates	01SEP04*	21*	30SEP04	1,283		0.00	3,088.56
1203-361	Final Design of Insulation and Heating/Cooling	03NOV03A	233*	28FEB05	378	35	10,886.83	31,105.24
125-001	Prelim design WBS 125 local I&C	02AUG04*	58*	21OCT04	387		0.00	10,415.36
1203-271	Develop Assembly & Installation Procedures	02AUG04*	146*	28FEB05	378		0.00	44,375.85
122-011	Final design WBS 122 Thermal insulation	01JUN04A	189*	28FEB05	378	10	4,266.05	42,660.52
124-011	Final design WBS 124 VV supports	01JUL04A	106*	01DEC04	439	25	5,191.68	20,766.72
125-011	Final design WBS 125 local I&C	22OCT04	79*	15FEB05	387		0.00	11,156.90
1203-900	Compreshensive WBS 12 FDR		0	28FEB05	378		0.00	0.00
Vacuum Vessel Vendor Selection								
121-6-6	Finalize tech Doc package & Resolve chits	01JUN04A	0*	30JUN04A		100	1,286.90	1,286.90
121-6-8	Evaluate and Select VV Production Vendor	01JUL04	16*	23JUL04	311		0.00	2,901.90
121-6-83	Negotiate with vendor	26JUL04	6*	02AUG04	311		0.00	1,615.00
121-6-85	DOE Approve VV Selection & contract	03AUG04	11	17AUG04	311		0.00	0.00
121-6-9	Award VV Production Vendor (Phase funded)		0	24AUG04	311		0.00	0.00
121-36-9.2	Release for Fabrication		0	20SEP04*	298		0.00	0.00



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

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CD-3 Baseline
ECP-14

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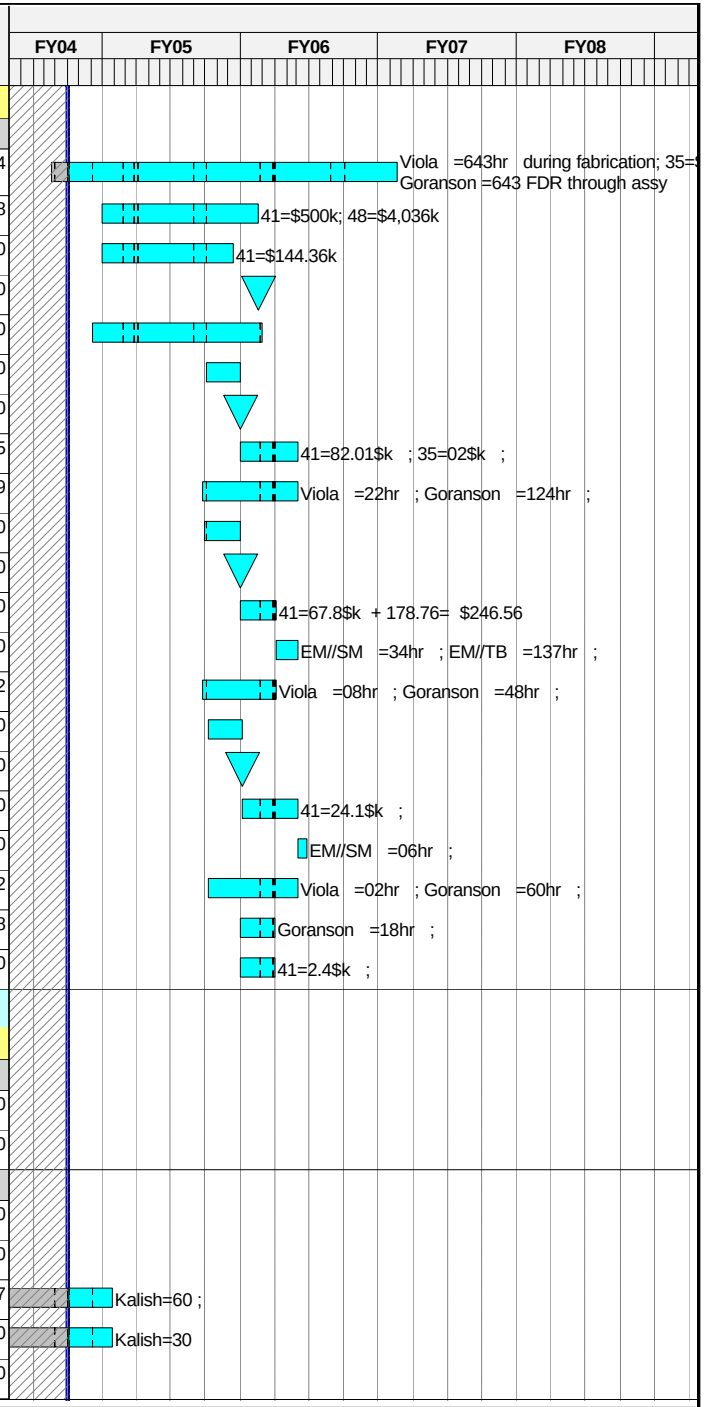
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
Job:1204 - WBS 12 Title III, Procure,Fabricate								
121-031	VVSA Title III engr	21MAY04A	639*	22NOV06	736	LOE	10,516.12	239,002.54
121-038	FABRICATE VVSA	01OCT04*	290*	18NOV05	296		0.00	4,682,784.48
121-038P	FAB VVSA NB ports**reduced 3 to 1	01OCT04*	242	13SEP05	1,041		0.00	64,600.00
121-038.1	Vacuum Vessel Delivered		0	18NOV05	296		0.00	0.00
121-038B	>>>>>>> Port Extensions (ECP 8)**deleted scope	07SEP04*	313	29NOV05	988		0.00	0.00
122-030	SPEA VV Thermal Insulation	05JUL05	65	03OCT05	225		0.00	0.00
122-036.9	Award VV Insulation		0	03OCT05*	225		0.00	0.00
122-037	VV Insulation Procurement WBS 122	04OCT05*	105	03MAR06	225		0.00	110,493.05
122-031	Title III engr WBS 122	24JUN05	176	03MAR06	922		0.00	21,460.89
123-030	SPEA VV Heating & Cooling	01JUL05	65	30SEP05	226		0.00	0.00
123-036.9	Award VV Heating/Cooling Distribution		0	30SEP05	226		0.00	0.00
123-037	VV Heating/Cooling Distr Procurement WBS 123	03OCT05*	65	05JAN06	226		0.00	321,760.80
123-041	VV Heating/Cooling Fab/Assy WBS 123	06JAN06	40	02MAR06	226		0.00	14,744.50
123-031	Title III engr WBS 123	24JUN05	135	05JAN06	963		0.00	8,194.72
124-030	SPEA VV Supports	08JUL05	65	06OCT05	281		0.00	0.00
124-036.9	Award VV Supports		0	06OCT05	281		0.00	0.00
124-037	VV Supports Procurement WBS 124	07OCT05*	100	01MAR06	281		0.00	31,450.50
124-041	VV Supports Fab/assy WBS 124	02MAR06	20	29MAR06	281		0.00	660.60
124-031	Title III engr WBS 124	08JUL05	165	01MAR06	924		0.00	8,940.72
125-015	Title III design Local I&C	03OCT05*	61	29DEC05	363		0.00	2,608.38
125-037	Procurement Local I&C	04OCT05*	60	29DEC05	363		0.00	3,132.00
13 - Conventional Coils								
Job: 1301 - TF & PF Design-KALISH								
FY03 Actual Cost								
1301-0002	Apr-Sept MIE Cost ORNL	01APR03A	64*	30SEP03A		100	0.00	0.00
1301-0003	Apr-Sept MIE Cost PPPL	01APR03A	64*	30SEP03A		100	91,660.00	91,660.00
MPAT								
1402-004	Subcontract analysis upport for PDR	01OCT03A	41*	26NOV03A		100	5,096.00	5,096.00
1402-005	VV/MCC PDR support	01OCT03A	37*	31OCT03A		100	4,178.20	4,178.20
1301-100	Prepare Scope Sheet to define interfaces	03NOV03A	248*	29OCT04	1,238	65	1,269.96	1,932.97
1301-105	Prepare Interface Dwgs for ICD's	01DEC03A	230*	29OCT04	1,238	65	1,827.00	2,900.00
1301-140	Complete Draft SOW	02JAN04A	10	15JAN04A		100	4,821.00	4,821.00



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CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

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CD-3 Baseline
ECP-14

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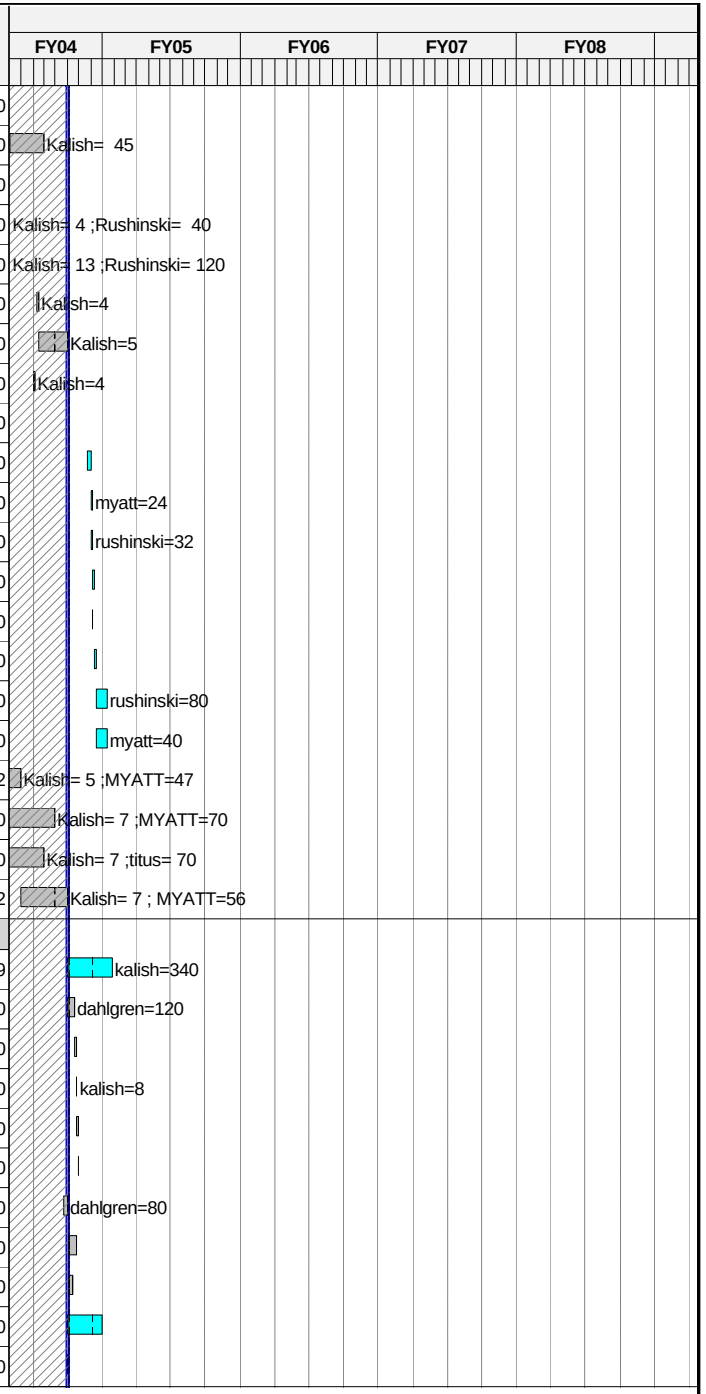
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
1301-145	Post Draft SOW on WEB to Solicit Vendr Input	16JAN04A	2	19JAN04A		100	1,285.60	1,285.60
1301-150	Vendor Responses	02FEB04A	102*	30APR04A		100	7,231.50	7,231.50
1301-155	Trim Coil Layouts	01OCT03A	59*	23DEC03A		100	55,762.90	55,762.90
1301-160	Trim Coil Leads	01DEC03A	140*	30JAN04A		100	7,070.80	7,070.80
1301-165	PF1-PF3 Support System Layouts	01DEC03A	15	30JAN04A		100	21,373.10	21,373.10
1301-300	Investigate Experimental Data *ECP6*	12APR04A	5	16APR04A		100	642.80	642.80
1301-303	Prepare Test Reqmnts *ECP6*	19APR04A	61*	30JUN04A		100	803.50	803.50
1301-318	Evaluate 3D glass *ECP6*	05APR04A	5	09APR04A		100	642.80	642.80
1301-170	New Lead Details	01DEC03A	10	23DEC03A		100	14,141.60	14,141.60
1301-175.1	Evaluate Design as Cost Savings	26AUG04*	3	30AUG04	185		0.00	0.00
1301-175.2	Revised Design Stress Analysis	31AUG04	5	07SEP04	189		0.00	3,822.00
1301-175.3	Layout New Wedge Concept	31AUG04	5	07SEP04	185		0.00	5,142.40
1301-175.4	Develop Comparison	08SEP04	4	13SEP04	185		0.00	0.00
1301-175.5	Cost Estimate for Wedge Concept	08SEP04	1	08SEP04	188		0.00	0.00
1301-175.6	Review Revised TF Concept	14SEP04	1	14SEP04	185		0.00	0.00
1301-175.7	Complete PDR Drawings	15SEP04	20	12OCT04	185		0.00	13,000.00
1301-175.8	Rerun Analysis	15SEP04	20	12OCT04	185		0.00	6,370.00
1301-180	Update ANSYS model & structure	03NOV03A	142*	27FEB04A		100	8,294.62	8,294.62
1301-185	FEA Analysis Coils,Stress deflection	01DEC03A	123*	28MAY04A		100	12,272.40	12,272.40
1301-195	Seismic Analysis	26NOV03A	104*	30APR04A		100	12,272.40	12,272.40
1301-190	FEA Analysis PF Supports,Stress Deflection	01MAR04A	108*	30JUN04A			9,817.92	9,817.92
1301R-00	Oversight,suprevision,job management	02JUL04A	84*	29OCT04	1,262		0.00	55,002.29
1301R-03	ReEvaluate Analysis, Dahlgren	02JUL04A	15	22JUL04A			19,284.00	19,284.00
1301R-04	Is Insulation Scheme Acceptable ?	23JUL04A	1	23JUL04A			0.00	0.00
1301R-05	Change Insulation Scheme	26JUL04A	1	26JUL04A			1,285.60	1,285.60
1301R-06	Prepare Test Spec	27JUL04A	3	29JUL04A			0.00	0.00
1301R-17	Insulation Voltage Standoff Evaluation	29JUL04A	2	30JUL04A			0.00	0.00
1301R-22	Hydraulic Analysis	21JUN04A	10	02JUL04A			12,856.00	12,856.00
1301R-24	Launching Load Evaluation	06JUL04A	15	23JUL04A			0.00	0.00
1301R-28	TF Defelction vs Island Study	05JUL04A	10	16JUL04A			0.00	0.00
1301R-29	Review SRD	30JUN04A	65*	30SEP04	1,283		0.00	0.00
1301R-19	Add New Pusher Support Stucture	01JUL04	2	02JUL04	255		0.00	0.00



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

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CD-3 Baseline
ECP-14

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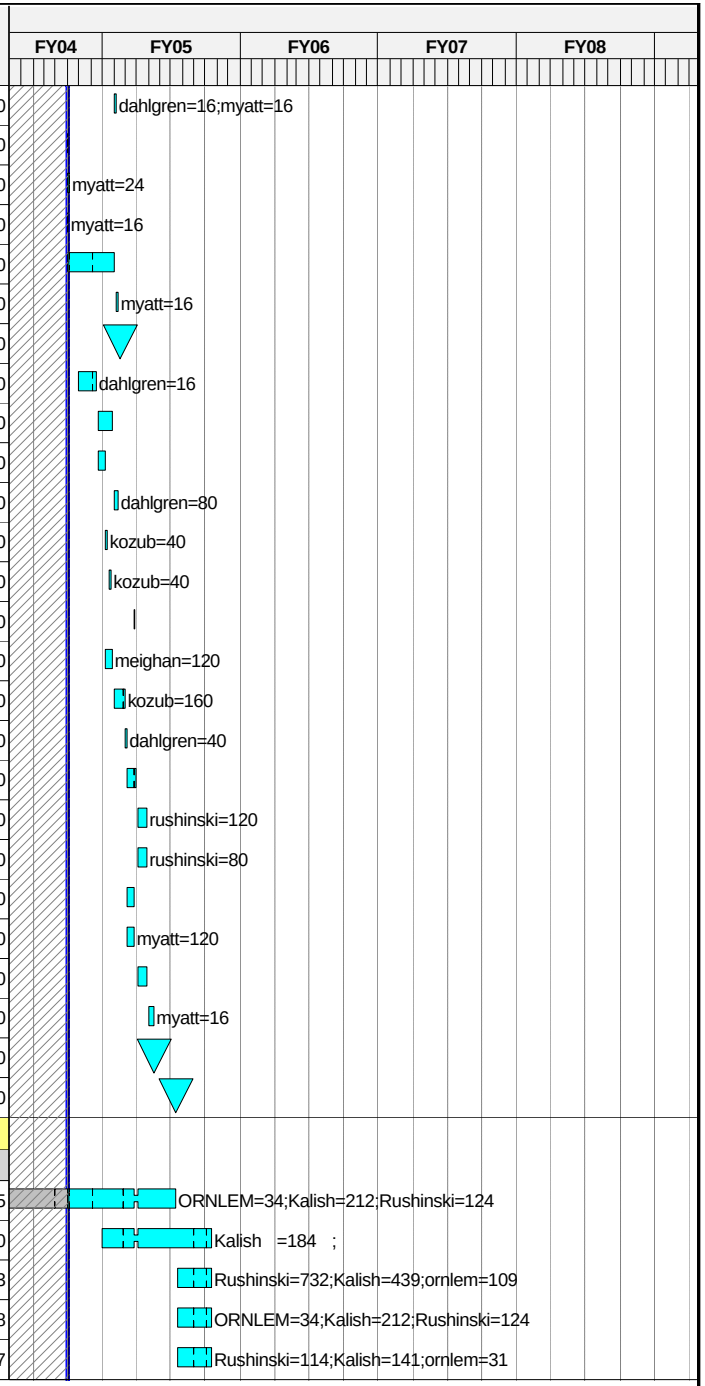
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
1301R-23	Document and Summerize Analysis	01NOV04*	5	05NOV04	167		0.00	5,191.20
1301R-25	Final Determination ofLaunching Loads	01JUL04	1	01JUL04	248		0.00	1,274.00
1301R-26	Final Launch Load Analysis	02JUL04	3	07JUL04	248		0.00	3,822.00
1301R-27	Obtain Stresses from Deflection Analysis	01JUL04	2	02JUL04	250		0.00	2,548.00
1301R-32	Prepare ICDs	01JUL04	86*	01NOV04	171		0.00	0.00
1301R-33	Prepare PDR Material	08NOV04*	5	12NOV04	167		0.00	2,548.00
1301R-20	TF PDR		0	15NOV04*	166		0.00	0.00
1301R-07	Procure Test Services	02AUG04*	34*	17SEP04	197		0.00	2,571.20
1301R-08	Test Materials at CTD	20SEP04	30	29OCT04	212		0.00	0.00
1301R-09	Order Sample Materials	20SEP04	15	08OCT04	197		0.00	0.00
1301R-10	Check or Re-Run Analysis with new data	01NOV04	10	12NOV04	212		0.00	13,216.00
1301R-11	Design Test Fixtures	11OCT04	5	15OCT04	202		0.00	6,608.00
1301R-12	Build Test Fixture	18OCT04	5	22OCT04	202		0.00	6,608.00
1301R-13	Update Cost and Schedule	27DEC04*	0*	23DEC04	174		0.00	0.00
1301R-14	Build Samples	11OCT04	15	29OCT04	197		0.00	12,996.00
1301R-15	Cryo Test for Coil Sample	01NOV04	20	30NOV04	197		0.00	26,432.00
1301R-16	Evaluate Samples	01DEC04	5	07DEC04	197		0.00	6,608.00
1301R-21	Pusher Design Analysis	06DEC04*	15	27DEC04	154		0.00	0.00
1301R-34	Final Design Coil Windings	04JAN05*	19	28JAN05	150		0.00	19,824.00
1301R-36	Final Design Leads	04JAN05*	19	28JAN05	150		0.00	13,216.00
1301R-37	Prepare Coil Spec	06DEC04*	14	23DEC04	158		0.00	0.00
1301R-38	Analysis, Final with Leads Terminals & Supports	06DEC04*	14	23DEC04	174		0.00	19,110.00
1301R-31	Review and Approve Coil Spec	04JAN05*	16	25JAN05	153		0.00	0.00
1301R-35	Prepare for TF FDR	31JAN05*	11	14FEB05	150		0.00	2,548.00
131-012	WBS 13 TF FDR		0	15FEB05*	148		0.00	0.00
1301-136	PF Coil PDR		0	15APR05*	332		0.00	0.00
Job: 1303 - WBS 13 Trim coil, CS Dsn-KALISH								
163-001	Title I design CS sprt struc	01DEC03A	341*	15APR05	332	80	47,293.00	59,116.25
133-010	Title I & II design WBS 134 Conv Coil I&C	01OCT04*	195*	15JUL05	332		0.00	30,396.80
141-011	Title II design WBS 132 PF coils	18APR05	63	15JUL05	332		0.00	167,006.83
163-011	Title II design CS sprt struc	18APR05	63	15JUL05	332		0.00	53,216.38
184-011	Title II dsn WBS 133 Ext trim coils	18APR05	63	15JUL05	404		0.00	39,983.57



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

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CD-3 Baseline
ECP-14

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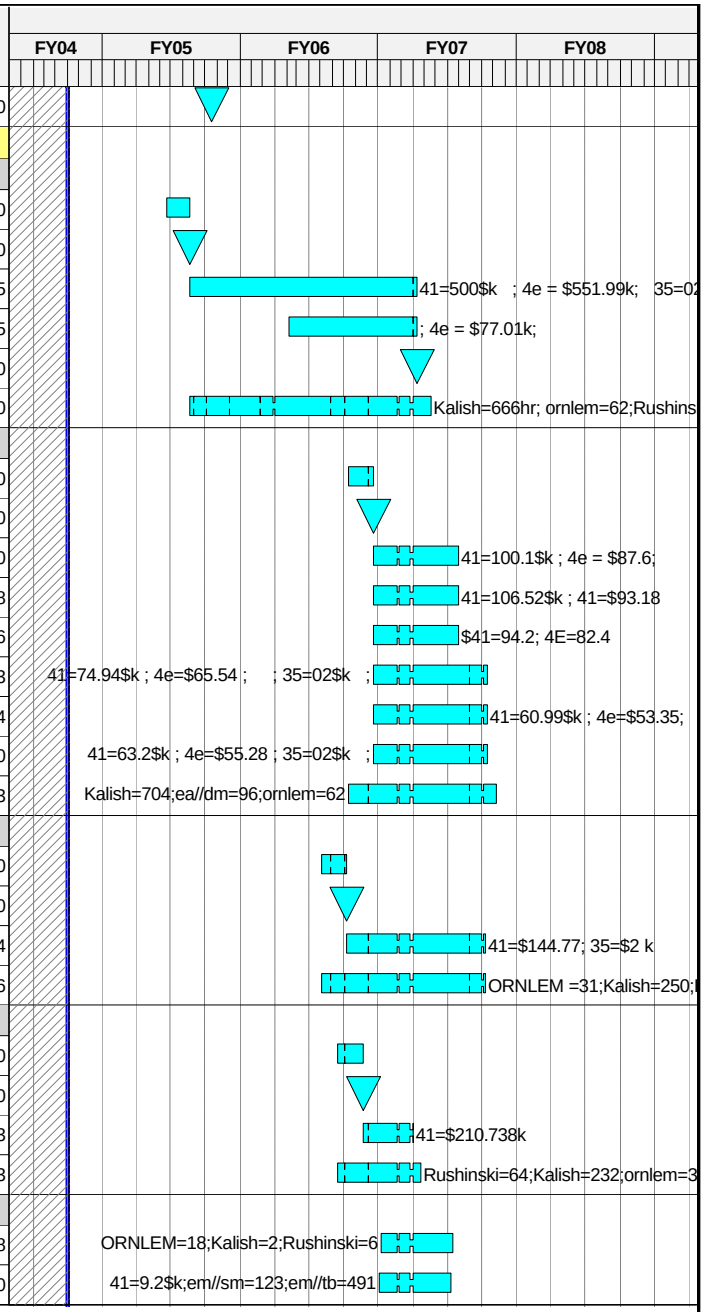
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
141-012	WBS 13 PF/CS SPRT FDR		0	15JUL05	332		0.00	0.00
Job: 1304 - WBS 13 Procure/Fab/Title III-KALISH								
TF Coils								
131-034	Bid & Award TF Coils	22MAR05*	45	23MAY05	124		0.00	0.00
131-035	TF Coils Awarded		0	23MAY05*	124		0.00	0.00
131-037	TF Coil Procurement [A/1]	24MAY05	425	09JAN07	127		0.00	1,243,527.05
131-037A	TF Coil cost correction	06FEB06	241	09JAN07	127		0.00	82,184.05
131-038	All TF Coils Delivered		0	09JAN07	127		0.00	0.00
131-031	Title III engr	24MAY05*	433	19FEB07	668		0.00	133,099.90
PF Coils								
141-035	Bid & Award PF Coils	17JUL06*	45	18SEP06	127		0.00	0.00
141-036	PF Coils Awarded		0	18SEP06	127		0.00	0.00
143-037	PF 4 Procurement [A/1]	19SEP06	155	03MAY07	131		0.00	229,738.40
144-037	PF 5 Procurement [A/1]	19SEP06	155	03MAY07	131		0.00	244,431.48
145-037	PF 6 Procurement [A/1]	19SEP06	155	03MAY07	131		0.00	216,157.66
141-037	PF OH Solenoid Procurement PF1 [A/1]	19SEP06*	205	16JUL07	127		0.00	175,679.33
141B-037	PF OH Solenoid Procurement PF2 [A/1]	19SEP06*	205	16JUL07	127		0.00	140,008.14
142-037	PF OH Solenoid Procurement PF3 [A/1]	19SEP06*	205	16JUL07	127		0.00	148,739.20
141-031	Title III engr WBS 132	17JUL06*	268	09AUG07	547		0.00	146,202.43
CS Support Structure								
163-035	Bid & Award CS Support Struct	05MAY06	45	10JUL06	132		0.00	0.00
163-036.9	Award CS Support Structure		0	10JUL06*	132		0.00	0.00
163-037	CS Support Structure Procurement/Fab	11JUL06*	249	09JUL07	132		0.00	197,767.54
163-015	Title III design CS sprt struc	05MAY06	294	09JUL07	570		0.00	58,372.06
Trim Coils								
184-035	Bid & Award Ext Trim Coils	19JUN06	45	21AUG06	129		0.00	0.00
184-036	Award External Trim Coils		0	21AUG06*	129		0.00	0.00
184-037	External Trim Coil Procurement/Fab	22AUG06	87	02JAN07	129		0.00	281,732.73
184-015	Title III WBS 133 Rxt Trim Coils	19JUN06	147	23JAN07	687		0.00	59,432.33
TF/PF Loacl I&C								
133-015	Title III WBS 134 Conv Coil I&C	09OCT06*	130	18APR07	626		0.00	3,857.28
133-037	Conv Coil I&C WBS 134 Proc & Install	02OCT06*	130	11APR07	193		0.00	69,497.70



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
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EC14

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CD-3 Baseline
ECP-14

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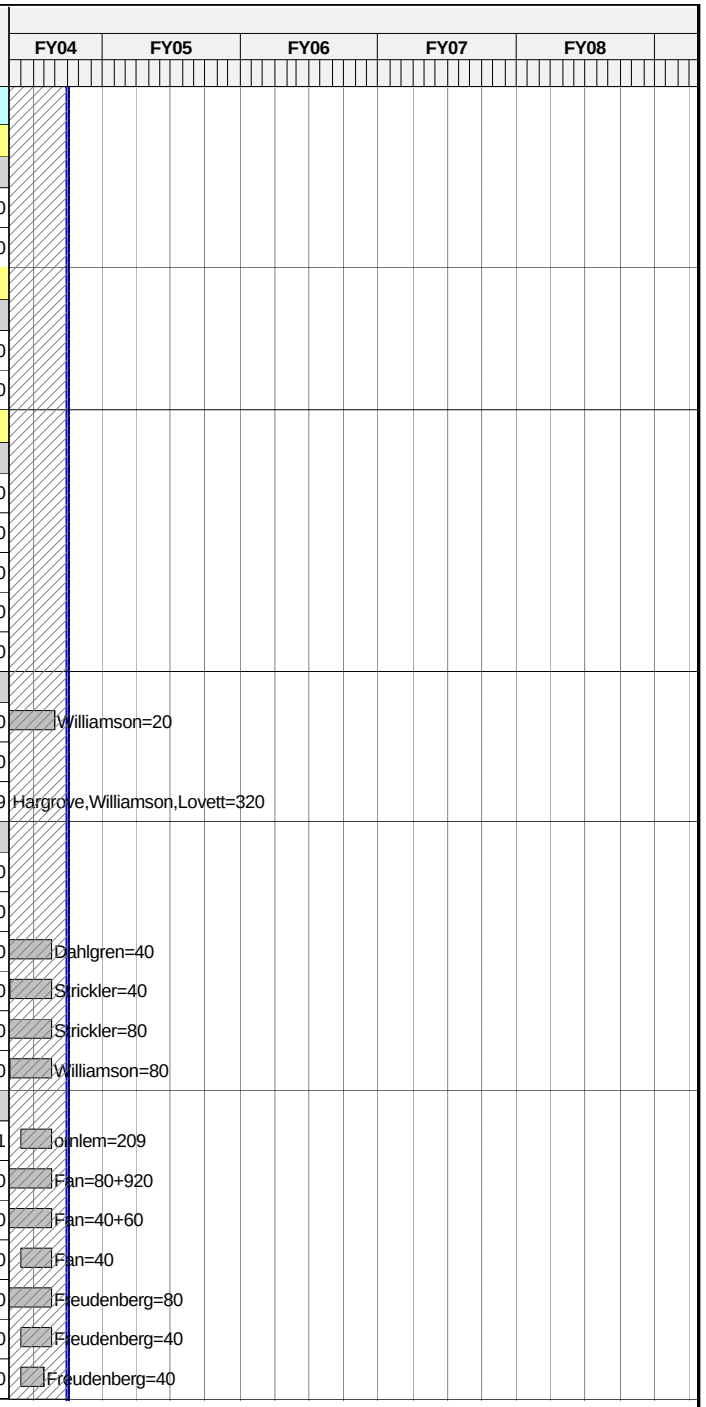
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
14 - Modular Coils								
Job: 1401 - Mod Coil Prel.Dsn-WILLIAMSON								
FY03 Actual Cost								
1401-002	Apr-Sept MIE Cost ORNL	01APR03A	64*	30SEP03A		100	303,040.00	303,040.00
1401-003	Apr-Sept MIE Cost PPPL	01APR03A	64*	30SEP03A		100	0.00	0.00
Job: 1402 - Mod.Coil Analyses-WILLIAMSON								
FY03 Actual Cost								
1402-002	Apr-Sept MIE Cost ORNL	01APR03A	64*	30SEP03A		100	84,220.00	84,220.00
1402-003	Apr-Sept MIE Cost PPPL	01APR03A	64*	30SEP03A		100	154,920.00	154,920.00
Job: 1403 - WBS 14 Final Design-WILLIAMSON								
PDR/PBR Prep								
1403-04	Plan response to PDR chits	01OCT03A	23	31OCT03A		100	2,573.80	2,573.80
1403-05	Prepare FY04 WP / WAF / Checklists	08OCT03A	21	14OCT03A		100	2,573.80	2,573.80
1403-06	Prepare documents for PDR closeout	15OCT03A	52*	24DEC03A		100	10,295.20	10,295.20
1403-07	Prepare PBR documentation	31OCT03A	19*	18NOV03A		100	2,573.80	2,573.80
1403-08	Performance Baseline Review		0	18NOV03A		100	0.00	0.00
Requirements/Config and Interfaces								
1403-10	Review, revise, and approve SRD	15OCT03A	160	28MAY04A		100	2,573.80	2,573.80
1403-13	Finalize winding pack ref xsec, conductor dims	15OCT03A	45*	26NOV03A		100	2,573.80	2,573.80
1403-14	Revise winding form and windings/asm models	15OCT03A	75*	30JAN04A		100	41,309.49	41,309.49
Analysis - Thermal & Electrical								
1403-21	Document electrical, insulation parameters	15OCT03A	56*	19DEC03A		100	2,573.80	2,573.80
1403-22	Update thermal analysis to current WP design	22OCT03A	51*	19DEC03A		100	5,147.60	5,147.60
1403-23	Update thermo-hydraulic analysis of coils	01DEC03A	127*	18MAY04A		100	6,428.00	6,428.00
1403-25	Check EM loads calculation for ref scenarios	02FEB04A	85*	18MAY04A		100	5,147.60	5,147.60
1403-26	Perform scan of EM fault load conditions	01DEC03A	127*	18MAY04A		100	10,295.20	10,295.20
1403-26.1	Check thermal & electrical calculations	02FEB04A	85*	18MAY04A		100	10,295.20	10,295.20
Analysis - Structural								
141TITLE2P	PDR #1,4,26 Access,Tolerance Budget,Bolting	01MAR04A	65*	18MAY04A		100	26,896.21	26,896.21
1403-29	Complete ANSYS model of coil structure asm	15OCT03A	160*	18MAY04A		100	160,700.00	160,700.00
1403-30	Analyze global stress /deflect winding form asm	31OCT03A	148*	18MAY04A		100	16,070.00	16,070.00
1403-31	Analyze stress in bolted connections	01MAR04A	65*	18MAY04A		100	6,428.00	6,428.00
1403-32	Update MECHANICA model of 3 coil types	15OCT03A	160*	18MAY04A		100	10,295.20	10,295.20
1403-33	Anlyz wind pack deflect/stress fo thrml, EM lds	01MAR04A	65*	18MAY04A		100	5,147.60	5,147.60
1403-34	Analyze and optimize clamp locations	01MAR04A	55*	30APR04A		100	5,147.60	5,147.60



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

NCSX
CD-3 Baseline
ECP-14

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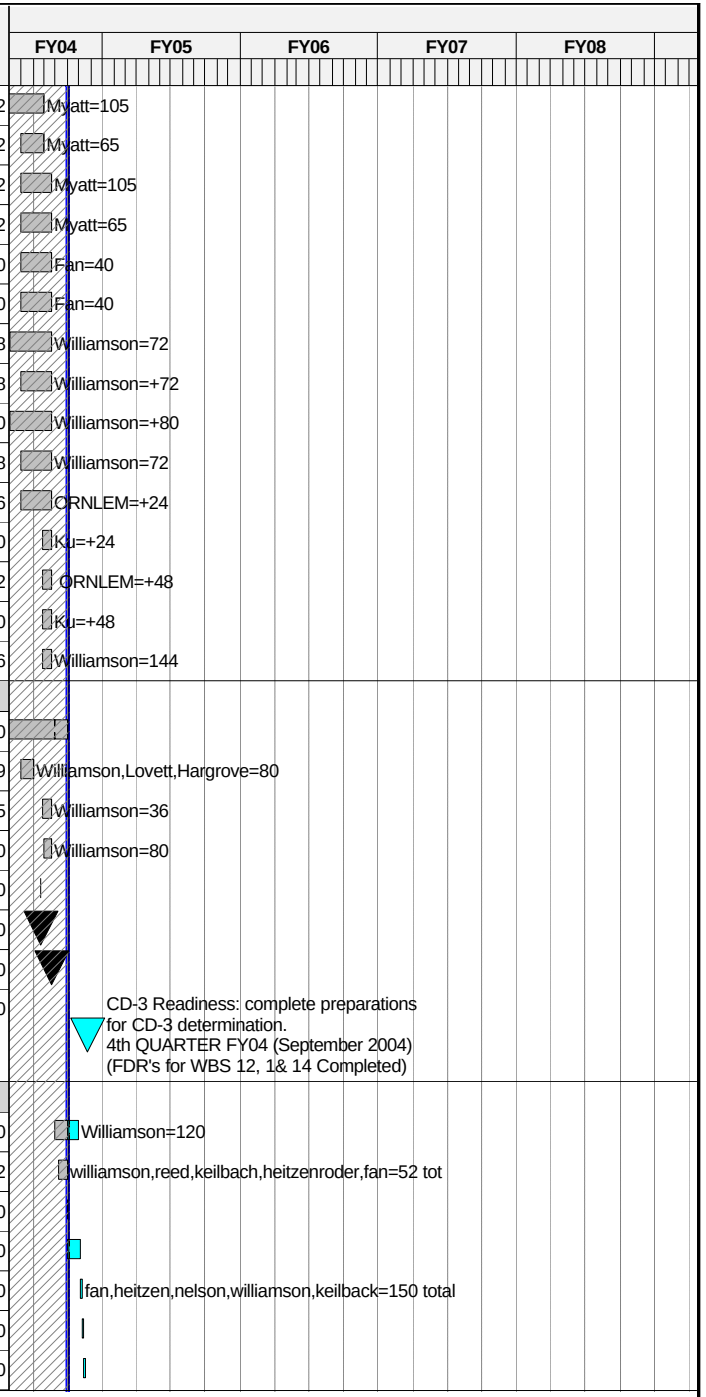
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
1403-35	Perform supporting analysis for material tests	15OCT03A	150*	30APR04A		100	16,727.62	16,727.62
1403-36	Update EM loads for reference scenarios	01MAR04A	55*	30APR04A		100	10,357.62	10,357.62
1403-37	Perform check og global structural analysis	01MAR04A	65*	18MAY04A		100	16,727.62	16,727.62
1403-38	Check nonlinear winding pack analysis	01MAR04A	65*	18MAY04A		100	10,357.62	10,357.62
1403-39	Analyze gravity, equip, seismic loading	01MAR04A	65*	18MAY04A		100	6,428.00	6,428.00
1403-40	Analyze combined loads and fault conditions	01MAR04A	65*	18MAY04A		100	6,428.00	6,428.00
1403-40.1	Check Structural Calculations	02FEB04A	107*	18MAY04A		100	9,265.68	9,265.68
1403-40.1A	Prepare plate element model of coil structure	01MAR04A	65*	18MAY04A		100	9,265.68	9,265.68
1403-40.1B	Confirm global deflection/stress, re-inf of shel	02FEB04A	85*	18MAY04A		100	10,295.20	10,295.20
1403-40.1C	Check all struct calculkations	01MAR04A	65*	18MAY04A		100	9,265.68	9,265.68
1403-40.2A	Develop multi-filament model of all coils	01MAR04A	65*	18MAY04A		100	3,088.56	3,088.56
1403-40.2B	Confirm Plasma performance & surface quality	26APR04A	25*	18MAY04A		100	3,856.80	3,856.80
1403-40.2C	Model expected deflections under thermal/EM load	26APR04A	25*	18MAY04A		100	6,177.12	6,177.12
1403-40.2D	Confirm plasma performance & surface quality	26APR04A	25*	18MAY04A		100	7,713.60	7,713.60
1403-41	Prepare structural analysis report	26APR04A	25*	18MAY04A		100	18,531.36	18,531.36
Winding Form FDR Prep								
1403-03	Increase for actual cost of Final Design ECP 11	15OCT03A	118*	30JUN04A		100	358,000.00	358,000.00
1403-43	Incorporate changes due to prototype fabr	01MAR04A	22*	31MAR04A		100	10,423.89	10,423.89
1403-47	Prepare failure modes assessment (FMECA)	26APR04A	68*	19MAY04A		100	4,504.15	4,504.15
1403-50	Prepare FDR documentation / presentations	01MAY04A	9	18MAY04A		100	10,295.20	10,295.20
1403-50.2	Prepare Prelim Bid Package	23APR04A	0*	23APR04A		100	0.00	0.00
1403-50.5	Prelim Bid Package Released		0	23APR04A		100	0.00	0.00
1403-51	MCWF FDR		0	19MAY04A		100	0.00	0.00
C-081.1	JOULE MILESTONE #4 - CD-3 Readiness		0	24AUG04	311		0.00	0.00
MCWF Procurement								
1403-53	Resolve FDR comments and recommendations	01JUN04A	43*	30JUL04	1,326	90	13,898.52	15,442.80
1403-54	Final bid package(specs,models,dwgs)	09JUN04A	17*	30JUN04A		100	8,109.32	8,109.32
1010	Prep & Issue RFP	01JUL04A	1	01JUL04A			0.00	0.00
1020	EIO & JPP Prepare and submit FPP proposal	01JUL04	22*	02AUG04	148		0.00	0.00
1030.1	Review & Evaluate Proposals	03AUG04	5	09AUG04	148		0.00	22,208.40
1030.2	Vendor Oral Presentations	10AUG04	3	12AUG04	148		0.00	0.00
1030.3	Best & Final Offers	13AUG04	2	16AUG04	148		0.00	0.00



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

NCSX
CD-3 Baseline
ECP-14

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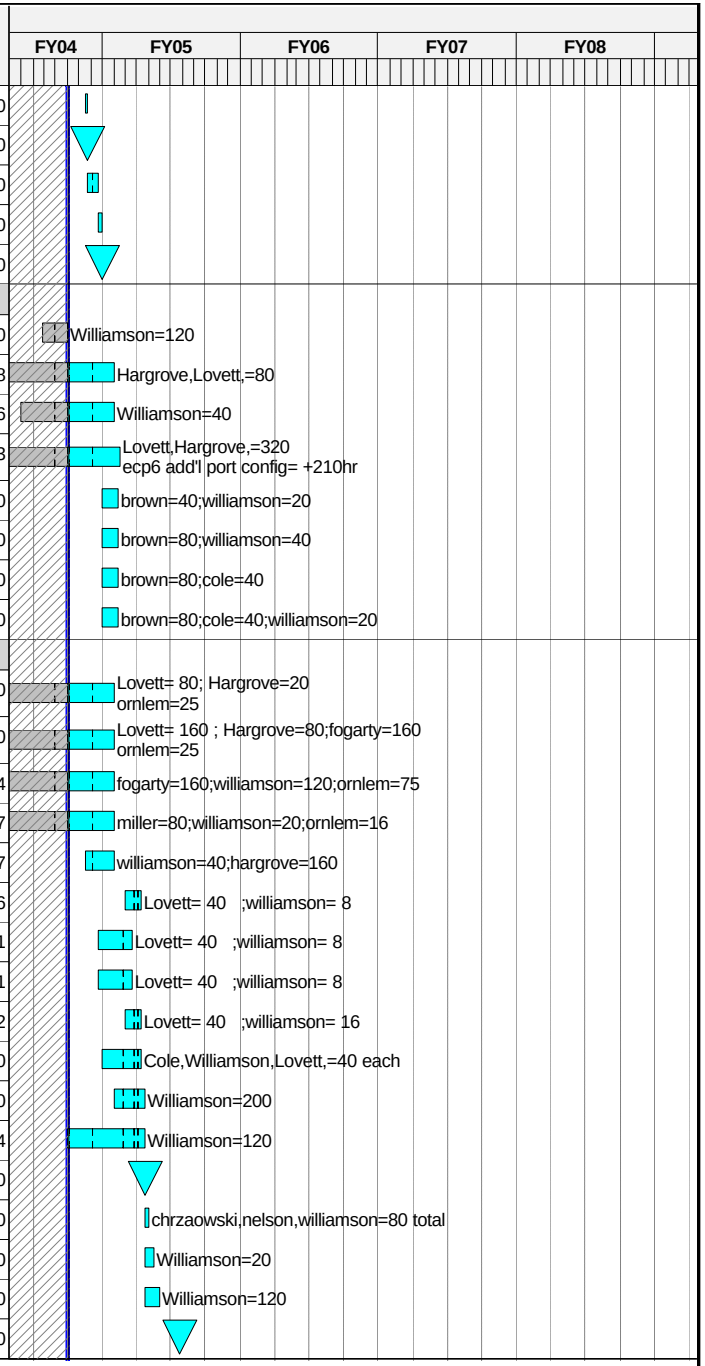
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
1030.4	Evaluate & Make Recomendation	17AUG04	5	23AUG04	148		0.00	0.00
1040	Vendor Decision		0	23AUG04	148		0.00	0.00
1030.5	Prepare Contract Package	24AUG04	19*	20SEP04	148		0.00	0.00
1050	DOE review and PPPL Award Contract	21SEP04	8*	30SEP04	148		0.00	0.00
C-081	Award MCWF Mfg Contract (phase funded)		0	30SEP04	143		0.00	0.00
Winding and Assembly Design								
1403-48	Update design basis document	26APR04A	47*	30JUN04A		100	15,442.80	15,442.80
1403-11	Prepare assembly / interface drawings for ICDs	15OCT03A	268*	01NOV04	159	90	9,337.66	10,375.18
1403-12	Finalize and approve all ICDs	01MAR04A	173*	01NOV04	159	90	4,688.60	5,209.56
1403-15	Prepare winding form asm / detail drawings	03NOV03A	265*	15NOV04	149	90	62,086.71	68,985.23
1403-16	Assembly bolts, nuts,washers	01OCT04*	29*	10NOV04	152		0.00	9,425.40
1403-17	Assembly shims	01OCT04*	29*	10NOV04	152		0.00	18,850.80
1403-18	Eccentric ball assembly	01OCT04*	29*	10NOV04	152		0.00	18,850.80
1403-19	Top assembly dwgs for mod coil shell	01OCT04*	29*	10NOV04	152		0.00	21,668.20
Winding and Assembly Design-Type C								
1403-200	Winding & Insulation Dwgs (8)-Type C	01JAN04A	213*	01NOV04	159	25	4,060.88	16,243.50
1403-201	Leads & crossover Dwgs (10)-Type C	01JAN04A	213*	01NOV04	159	25	11,045.59	55,227.90
1403-202	G-10 Filler Dwgs (24)-Type C	01JAN04A	213*	01NOV04	159	25	9,226.31	46,131.54
1403-203	Clamp Dwgs (5)-Type C	01JAN04A	213*	01NOV04	159	25	3,014.79	15,073.97
1403-204	Chill Plate Dwgs (66)-Type C	18AUG04*	53*	01NOV04	159		0.00	26,749.17
1403-205	Installation Dwgs (1)-Type C	01DEC04*	31*	14JAN05	109		0.00	6,761.76
1403-206	Cooling Schematic Dwgs (1)- Type C	20SEP04*	65	21DEC04	125		0.00	6,680.81
1403-207	Electrical Schematic Dwgs (1)-Type C	20SEP04*	65	21DEC04	125		0.00	6,680.81
1403-208	I&C Dwgs (1) -Type C	01DEC04*	31*	14JAN05	109		0.00	7,888.72
1403-58C	Check and promote models / drawings -Type C	01OCT04*	72*	14JAN05	109		0.00	16,904.40
1403-62	Prepare FDR documentation / presentations	01NOV04*	55*	20JAN05	105		0.00	28,174.00
1403-60	Update design basis document	01JUL04*	140*	20JAN05	105		0.00	16,236.24
1403-20	Mod Coil Type C FDR		0	20JAN05*	105		0.00	0.00
1403-20.2	Resolve FDR chits	21JAN05	10	03FEB05	1,197		0.00	11,756.20
1403-70.05	Update MIT/QA Plans for Type C Winding Fab	21JAN05	20	17FEB05	186		0.00	2,817.40
1403-59	Update build-to specifications	21JAN05	30	03MAR05	177		0.00	16,904.40
1403-20.1	Mod Coil Type C Fab Preparedness Review		0	21APR05*	142		0.00	0.00



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CD-3 Proposed Baseline
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EC14

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CD-3 Baseline
ECP-14

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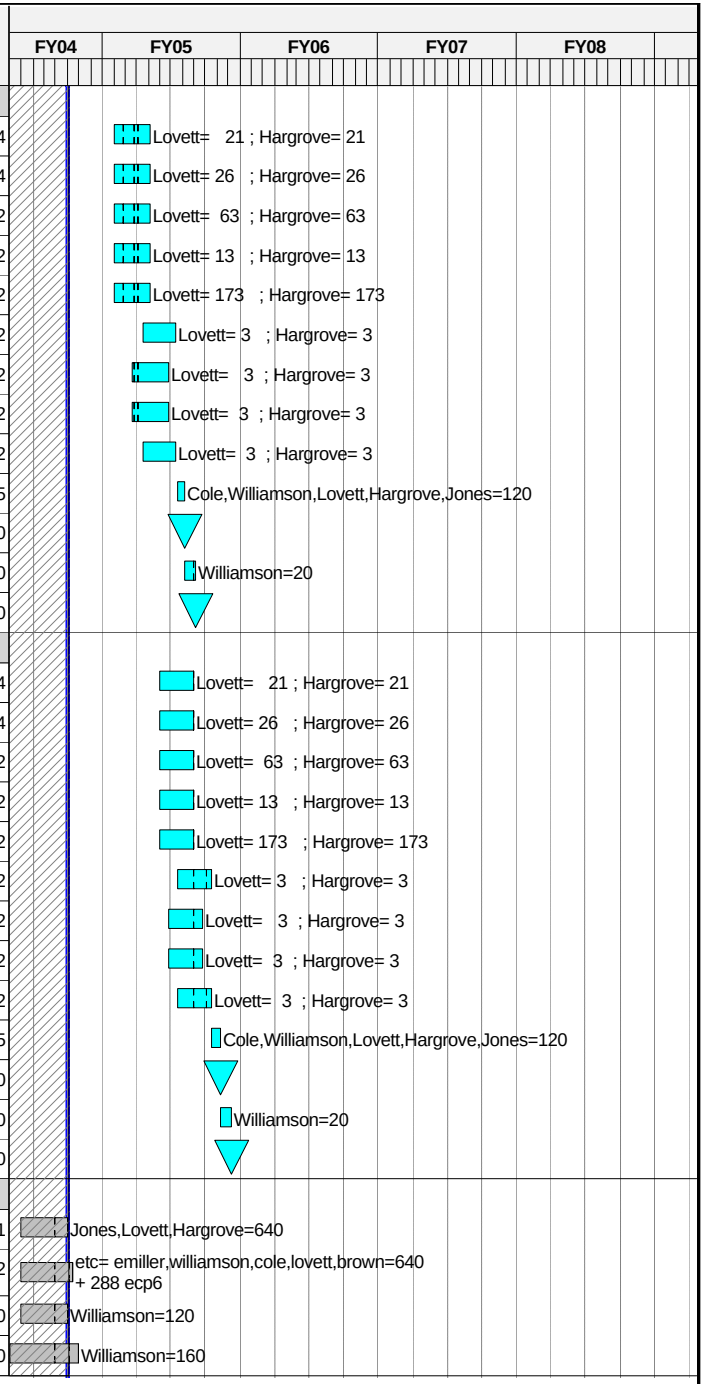
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
Winding and Assembly Design-Type A								
1403-300	Winding & Insulation Dwgs (8)-Type A	02NOV04*	65	04FEB05	274		0.00	5,916.54
1403-301	Leads & crossover Dwgs (10)-Type A	02NOV04*	65	04FEB05	274		0.00	7,325.24
1403-302	G-10 Filler Dwgs (24)-Type A	02NOV04*	65	04FEB05	274		0.00	17,749.62
1403-303	Clamp Dwgs (5)-Type A	02NOV04*	65	04FEB05	274		0.00	3,662.62
1403-304	Chill Plate Dwgs (66)-Type A	02NOV04*	65	04FEB05	274		0.00	48,741.02
1403-305	Installation Dwgs (1)-Type A	17JAN05*	65	15APR05	224		0.00	845.22
1403-306	Cooling Schematic Dwgs (1)-Type A	22DEC04*	65	24MAR05	240		0.00	845.22
1403-307	Electrical Schematic Dwgs (1)-Type A	22DEC04*	65	24MAR05	240		0.00	845.22
1403-308	I&C Dwgs (1) -Type A	17JAN05*	65	15APR05	209		0.00	845.22
1403-58A	Check and promote models / drawings -Type A	18APR05*	15	06MAY05	209		0.00	19,017.45
1403-71	FDR Production Type A Mod Coil Winding		0	06MAY05*	209		0.00	0.00
1403-71.05	Update MIT/QA Plans for Type C Winding Fab	09MAY05	20	06JUN05	240		0.00	2,817.40
1403-71.1	Fab Readiness Review - Production Type A		0	06JUN05	240		0.00	0.00
Winding and Assembly Design-Type B								
1403-400	Winding & Insulation Dwgs (8)-Type B	01MAR05*	65	31MAY05	343		0.00	5,916.54
1403-401	Leads & crossover Dwgs (10)-Type B	01MAR05*	65	31MAY05	343		0.00	7,325.24
1403-402	G-10 Filler Dwgs (24)-Type B	01MAR05*	65	31MAY05	343		0.00	17,749.62
1403-403	Clamp Dwgs (5)-Type B	01MAR05*	65	31MAY05	343		0.00	3,662.62
1403-404	Chill Plate Dwgs (66)-TypeB	01MAR05*	65	31MAY05	343		0.00	48,741.02
1403-405	Installation Dwgs (1)-Type B	18APR05*	65	19JUL05	309		0.00	845.22
1403-406	Cooling Schematic Dwgs (1)-Type B	25MAR05*	65	24JUN05	325		0.00	845.22
1403-407	Electrical Schematic Dwgs (1)-Type B	25MAR05*	65	24JUN05	325		0.00	845.22
1403-408	I&C Dwgs (1) -Type B	18APR05*	65	19JUL05	294		0.00	845.22
1403-58B	Check and promote models / drawings -Type B	20JUL05*	15	09AUG05	294		0.00	19,017.45
1403-72	Final Design Review Production Type B		0	09AUG05	294		0.00	0.00
1403-72.05	Update MIT/QA Plans for Type C Winding Fab	10AUG05	20	06SEP05	304		0.00	2,817.40
1403-72.1	Fab Readiness Review - Production Type B		0	06SEP05	304		0.00	0.00
MCWF & Winding Analysis/Testing								
1403-44	Prepare final drawings for winding forms, asm	01MAR04A	75*	30JUN04A		100	82,232.91	82,232.91
1403-45	Check and promote models / drawings	01MAR04A	97*	15JUL04A		100	120,704.72	120,704.72
1403-46	Update build-to specification / SOW	01MAR04A	75*	30JUN04A		100	15,442.80	15,442.80
1403-27	Prepare thermal, electrical analysis report	02FEB04A	128*	30JUL04A		100	20,590.40	20,590.40



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

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CD-3 Baseline
ECP-14

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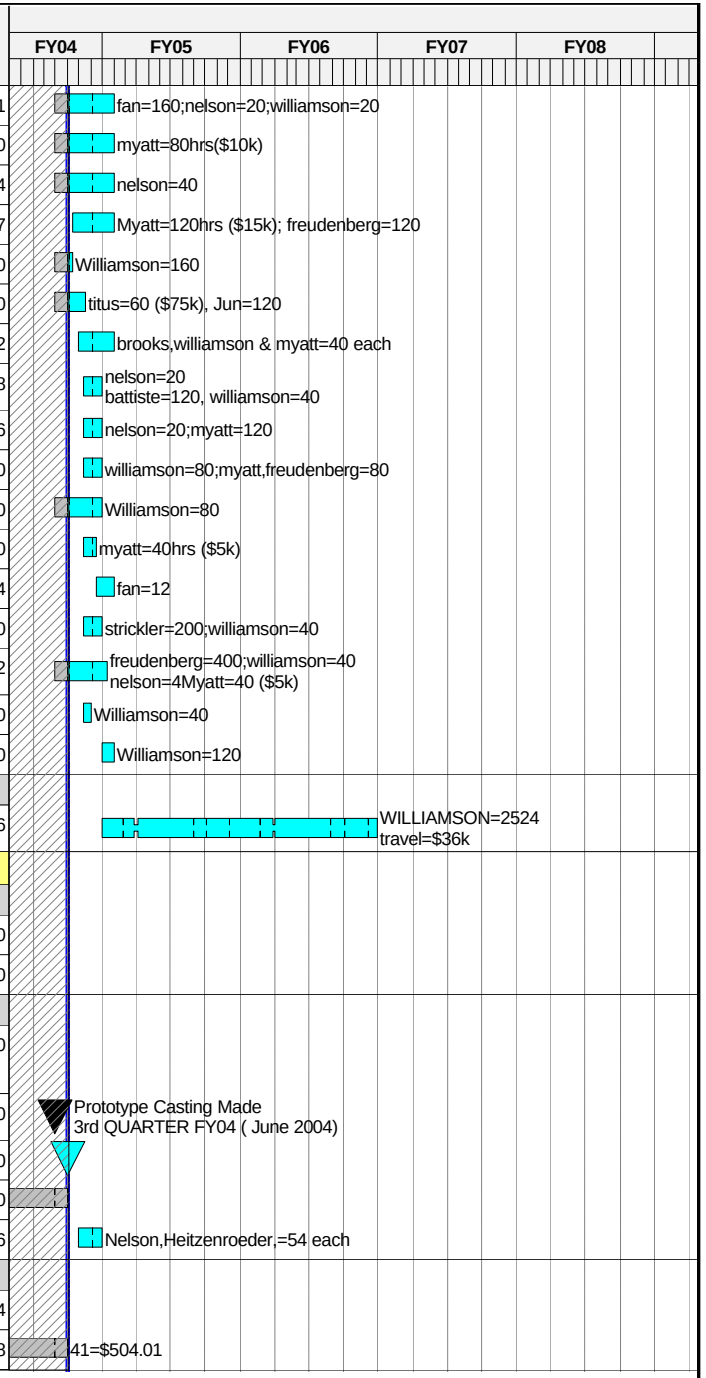
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
1403-42	Complete FDR Struct Analysis Report	01JUN04A	108*	01NOV04	159	50	27,994.96	31,105.51
1403-42A	Det WP beam loads worst case linear analysis	01JUN04A	108*	01NOV04	159	10	1,274.00	12,740.00
1403-42B	Modify ORNL beam test setup provide torsional ld	01JUN04A	108*	01NOV04	159	10	524.68	5,246.84
1403-42C	Revise analysis incorp final modeling changes	15JUL04A	77*	01NOV04	159	20	6,950.01	34,750.07
1403-27A	Update winding pack thermal/hydraulic analysis	01JUN04A	32*	15JUL04	235	90	13,898.52	15,442.80
1403-42D	Fracture fatigue analysis for MCWF	01JUN04A	54*	16AUG04	213	10	2,883.90	28,839.00
1403-42E	Complete checking struct calculations	02AUG04*	65*	01NOV04	159		0.00	18,171.42
1403-42F	Perform WP beam tests at ORNL	16AUG04*	34*	01OCT04	180		0.00	23,228.68
1403-42G	Analyze mech tests smeared property models	16AUG04*	34*	01OCT04	180		0.00	21,690.96
1403-42H	Analyze EM loads,deflection,stress in leads	16AUG04*	32	29SEP04	182		0.00	33,330.40
1403-47A	Update,review & approve FMECA	01JUN04A	86*	30SEP04	181	30	3,088.56	10,295.20
1403-47B	det boundary conditions single nonlinear windng	16AUG04*	22*	15SEP04	192		0.00	6,370.00
1403-47C	Backup analysis/check of leads	15SEP04*	34*	01NOV04	159		0.00	1,963.34
1403-40.2X	Multifilament check of un/deformed coil	16AUG04*	33	30SEP04	181		0.00	30,885.60
1403-40.2Z	Update nonlinear winding pack analysis	01JUN04A	97*	15OCT04	170	10	6,412.17	64,121.62
1403-49.1	Process ECP for all changes	16AUG04*	13*	01SEP04	201		0.00	5,147.60
1403-49	Update cost / schedule estimates	01OCT04*	22*	01NOV04	159		0.00	16,904.40
142TITLE3	Titel III Design-Coil Winding & Assembly	01OCT04*	498*	29SEP06	761		0.00	423,168.36
Job:1404-Mod Coil Winding Form R&D-HEITZENROEDER								
FY03 Actual Cost								
1404-002	Apr-Sept YTD MIE Cost ORNL	01APR03A	64*	30SEP03A		100	100,220.00	100,220.00
1404-003	Apr-Sept YTD MIE Cost PPPL	01APR03A	64*	30SEP03A		100	64,670.00	64,670.00
Prototype Design Issues								
1404-109.J	JOULE MILESTONE #1-Authorize Prototype Fab		0	20OCT03A			0.00	0.00
1404-110.J	JOULE MILESTONE #3-Prototype Casting Made		0	28MAY04A			0.00	0.00
3000	Issue Type C final drawings to EIO & JPP		0	30JUN04*	115		0.00	0.00
1404-65	Fabrication oversight by Project	01OCT03A	213*	30JUN04A		LOE	132,000.00	132,000.00
1404-66	Proposal evaluation & contract oversight	02AUG04*	43*	30SEP04	1,283	LOE	0.00	15,627.06
EIO Subcontract (S04341F)								
1404-100	EIO-Cost FY03	01MAY03A	10	30SEP03A		100	307,170.24	307,170.24
1404-105	EIO-FY04 Cost Through June 30,2004 ECP 11	01OCT03A	10*	30JUN04A		100	571,337.28	571,337.28



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

NCSX
CD-3 Baseline
ECP-14

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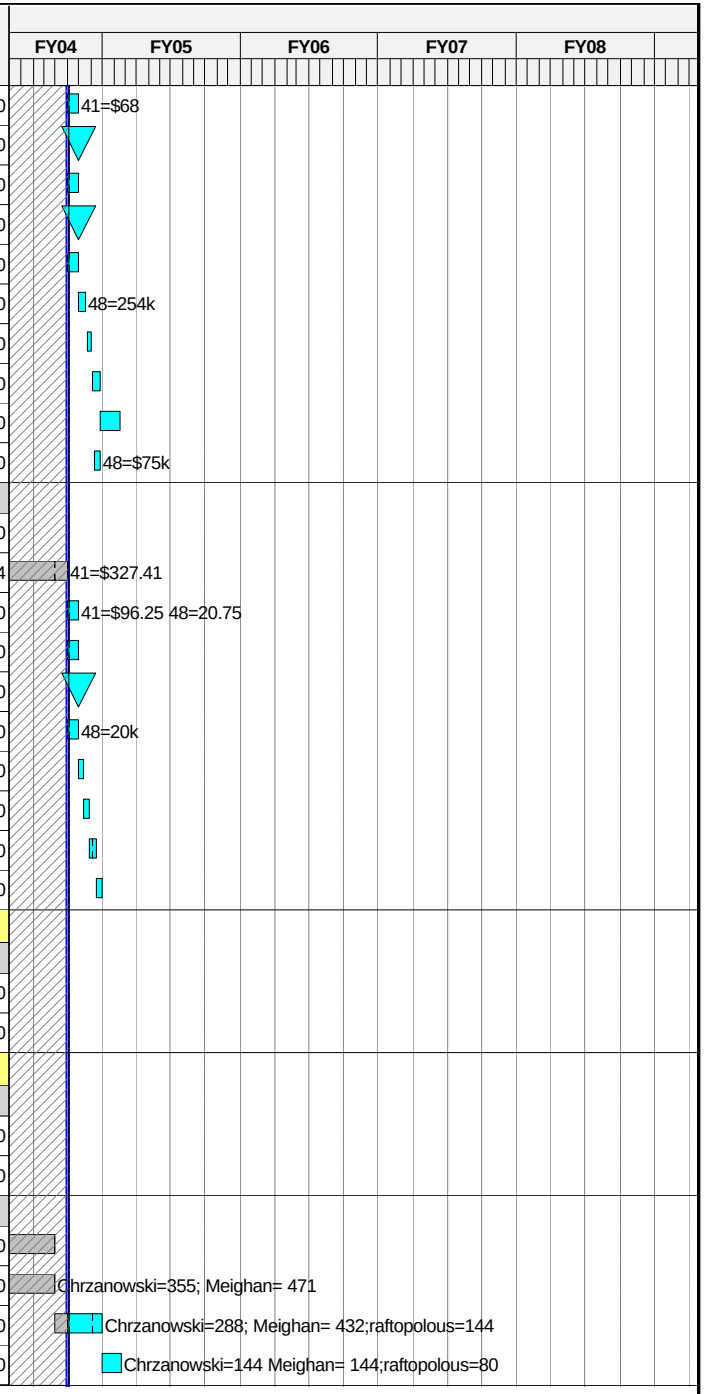
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
1404-106	EIO- July forecast ECP 11	01JUL04*	21*	30JUL04	1,302		0.00	68,000.00
1404-107	EIO-Suspend Prototype work ECP 11		0	30JUL04	1,302		0.00	0.00
1404-80	Fixed price proposal ECP 11 for 1st casting	01JUL04*	21*	30JUL04	116		0.00	0.00
1404-80.1	EIO MCWF 1st casting proposal Received ECP 11		0	30JUL04	116		0.00	0.00
3010	Vendor #1 Contract Amended	01JUL04	21*	30JUL04	115		0.00	0.00
3020	Vendor #1 Padding/Modeling (task #1)	02AUG04	15*	20AUG04	115		0.00	254,000.00
3030	Vendor #1 Flow Solidification Modeling (task #1)	23AUG04	10	03SEP04	115		0.00	0.00
3040	Vendor #1 Build molds (task #2)	07SEP04	13	23SEP04	115		0.00	0.00
3050	Vendor #1 Pour Casting &demold C-1 (task #3)ecp8	24SEP04	37*	15NOV04	115		0.00	0.00
1404-80.2	Pre-production Casting &demold C-1 (task #3)ecp8	13SEP04*	10	24SEP04	1,287		0.00	75,000.00
JP Pattern Subcontract (S04340F)								
1404-200	JPP- cost FY03	01MAY03A	10	30SEP03A		100	92,170.40	92,170.40
1404-205	JPP-FY04 Cost Through June 30,2004 ECP 11	01OCT03A	10*	30JUN04A		100	417,120.34	417,120.34
1404-206	JPP- July forecast ECP 11	01JUL04*	21*	30JUL04	1,302		0.00	143,372.50
1404-94	Fixed price proposal ECP 11 for 1st casting	01JUL04*	21*	30JUL04	148		0.00	0.00
1404-94.1	JPP MCWF 1st casting proposal received ECP 11		0	30JUL04	148		0.00	0.00
3110	Vendor #2 Contract Amended	01JUL04	21*	30JUL04	147		0.00	20,000.00
3120	Vendor #2 Padding/Modeling	02AUG04	10	13AUG04	147		0.00	0.00
3130	Vendor #2 Flow Solidification Model	16AUG04	10	27AUG04	147		0.00	0.00
3140	Vendor #2 Build Molds	30AUG04	13	16SEP04	147		0.00	0.00
3150	Vendor #2 Pour Casting & demold C-1 (task #3)	17SEP04	10	30SEP04	147		0.00	0.00
Job: 1405-Mod Coil Winding R&D Prep-CHRZANOWSKI								
FY03 Actual Cost								
1405-002	Apr-Sep YTD MIE Cost ORNL	01APR03A	64*	30MAY03A			0.00	0.00
1405-003	Apr-Sep YTD MIE Cost PPPL	01APR03A	64*	30MAY03A			168,070.00	168,070.00
Job: 1406 - Mod. Coil Winding R&D-CHRZANOWSKI								
FY03 Actual Cost								
1406-0002	Apr-Sep YTD MIE Cost ORNL	01APR03A	64*	30SEP03A		100	0.00	0.00
1406-0003	Apr-Sep YTD MIE Cost PPPL	01APR03A	64*	30SEP03A		100	831,120.00	831,120.00
Oversight & Supervision								
1406-049	Increased cost of FDR support ECP 11	01OCT03A	20	28MAY04A		100	292,000.00	292,000.00
1406-000	Supervision & Oversight	01OCT03A	180	28MAY04A		LOE	106,644.80	106,644.80
1406-000.1	Supervision & Oversight	01JUN04A	86*	30SEP04	1,259	LOE	28,728.00	114,912.00
1406-000.2	Supervision & Oversight	01OCT04*	36*	19NOV04	1,223	LOE	0.00	52,600.00



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

NCSX
CD-3 Baseline
ECP-14

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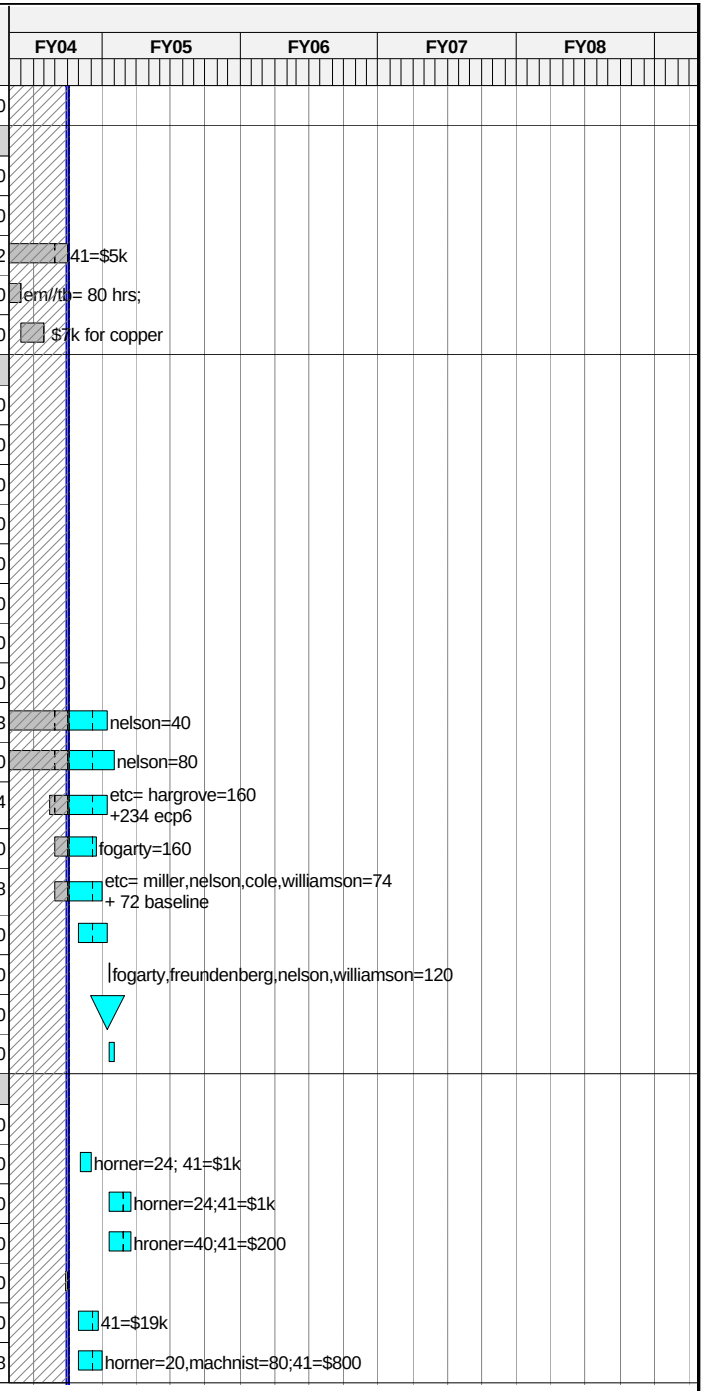
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
1406-048	Testing & Strain Gauge Design	01OCT03A	20	31OCT03A		100	24,253.50	24,253.50
Keystone R&D								
1406-001	Purchase 10 spools conductor (twisted racetrack)	03NOV03A	40*	23DEC03A		100	7,644.00	7,644.00
1406-003	Purchase 8 spools conductor (long twisted windin	03NOV03A	40*	23DEC03A		100	7,644.00	7,644.00
1406-005	Purchase epoxy & Insulation	03NOV03A	163*	30JUN04A		100	5,516.42	5,516.42
1406-010	Keystone Test for New Conductor	02JAN04A	41*	27FEB04A		100	6,144.00	6,144.00
1406-011	Purchase add'l copper Conductor	01MAR04A	45*	30APR04A		100	8,918.00	8,918.00
Twisted Racetrack Design (Williamson)								
1406-097	Verify Conductor Dims	01OCT03A	3	03OCT03A		100	2,573.80	2,573.80
1406-098	Complete Drawings of Casting	13OCT03A	21	26NOV03A		100	15,442.80	15,442.80
1406-099	Review/Approve Casting Drawings	26NOV03A	10	26NOV03A		100	15,442.80	15,442.80
1406-105	Prepare ANSYS thermal analysis model	31OCT03A	3	31OCT03A		100	2,573.80	2,573.80
1406-106	Analyze Thermal Behavior due to pulse	31OCT03A	3	31OCT03A		100	2,573.80	2,573.80
1406-107	Calculate EM Loads due to max current	03NOV03A	3	26NOV03A		100	5,147.60	5,147.60
1406-108	Prep MECHANICA Struct Analysis Model	03NOV03A	3	26NOV03A		100	5,147.60	5,147.60
1406-109	Analyze Stress/deflection due to cooldown,pulse	03NOV03A	5	26NOV03A		100	5,147.60	5,147.60
1406-104	Prepare Draft of Coil Test Plan	01OCT03A	261*	15OCT04	256	75	3,876.10	5,168.13
1406-110	Finalize, Approve coil test plan	01DEC03A	231*	01NOV04	245	75	7,791.00	10,388.00
1406-101	Prepare Clamp & Chill Plate detail Drawings	14MAY04A	108*	15OCT04	141	90	46,073.38	51,192.64
1406-101.1	Winding block dwgs for prototype leads	01JUN04A	75*	15SEP04	163	90	18,531.36	20,590.40
1406-102	Review/Approve Clamp& Chill Plate Dwgs	01JUN04A	87*	01OCT04	151	50	9,404.59	18,809.18
1406-103.0	Prep MIT plan	02AUG04*	54*	15OCT04	141		0.00	0.00
1406-103.1	Prepare for Twisted Racetrack FDR	18OCT04	0*	15OCT04	141		0.00	0.00
1406-103.2	Twisted Racetrack FDR		0	15OCT04	141		0.00	0.00
1406-103.3	Resolve TRC FDR Issues	18OCT04	11	01NOV04	1,237		0.00	0.00
Twisted Racetrack Fabrication & Winding (Chrzano								
1406-014	Bid, Evaluate and Award Casting to EIO or JPP	01DEC03A	28	23DEC03A		100	0.00	0.00
1406-016.5	PPPL Fabricate TRC Cladding	03AUG04*	20	30AUG04	174		0.00	3,117.20
1406-016.6	PPPL Fabricate TRC Chill plates	18OCT04	40	14DEC04	146		0.00	2,865.00
1406-016.7	PPPL Fabricate TRC Tubing	18OCT04	40	14DEC04	146		0.00	3,418.40
1406-016.8	order trc clamps	29JUN04A	1	29JUN04A			0.00	0.00
1406-016.9	fab trc clamps	02AUG04*	37	22SEP04	263		0.00	24,206.00
1406-016.A	fab trc lead components	02AUG04*	44*	01OCT04	166		0.00	10,985.98



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
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EC14

NCSX
CD-3 Baseline
ECP-14

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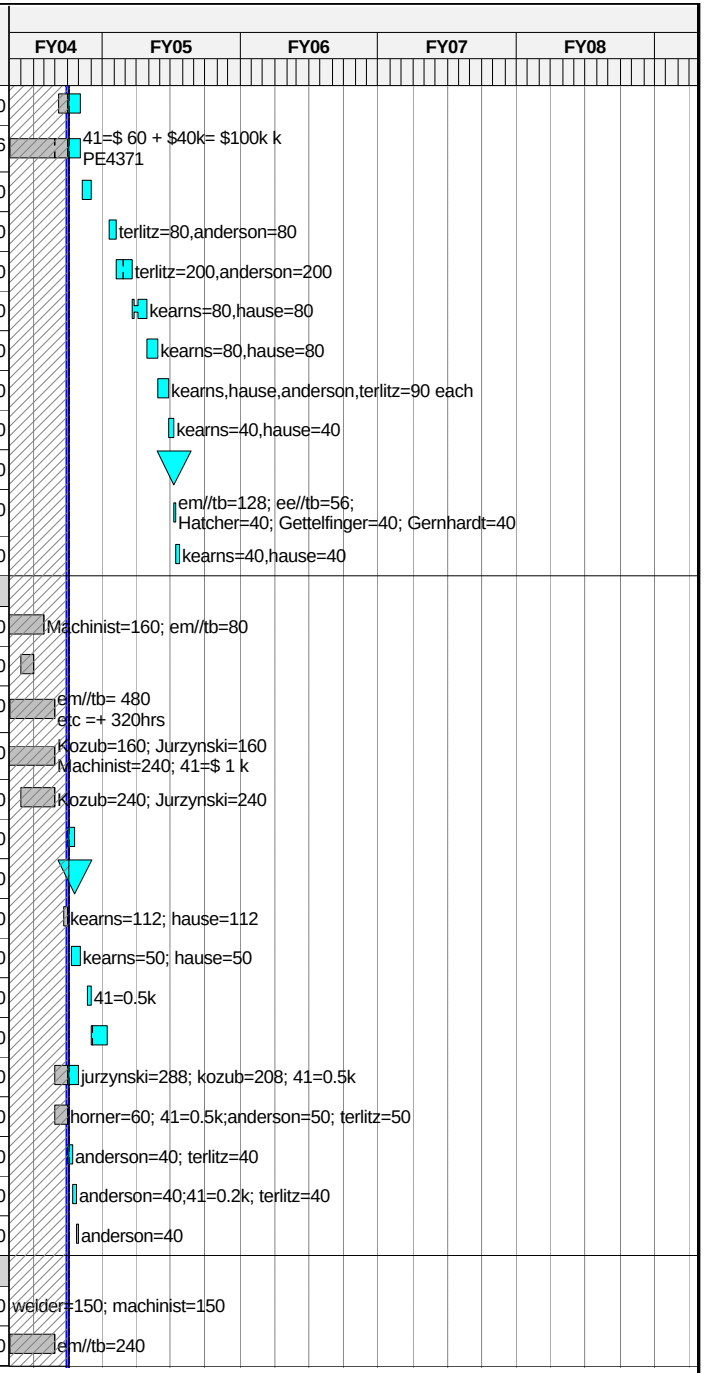
1406-016.B	write procedures, doc mit/qa plan	09JUN04A	42*	06AUG04	190	70	0.00	0.00
1406-016	Procure casting from EIO (new scope)	02FEB04A	133*	06AUG04	170		95,540.45	127,387.26
1406-016.1	Inspect & Measure Casting	09AUG04	20	03SEP04	170		0.00	0.00
1406-017	Prep TRC casting & instl cladding(station 2)	18OCT04	15	05NOV04	141		0.00	12,640.00
1406-017.1	Instl grnd wrap & wind coil(station 2)	08NOV04	30	21DEC04	141		0.00	31,600.00
1406-017.2	Instl chill plates & tubing (station 4)	22DEC04	20	27JAN05	141		0.00	12,640.00
1406-018	Apply bag mold (station 4)	28JAN05	20	24FEB05	141		0.00	12,640.00
1406-019	VPI in autoclave	25FEB05	20	24MAR05	141		0.00	28,440.00
1406-019.1	Instl permanent clamps	25MAR05	10	07APR05	141		0.00	6,320.00
1406-020	Begin Testing of Twisted RT in Coil test Stand	08APR05	0		142		0.00	0.00
1406-021	Test Coil	08APR05	5	14APR05	141		0.00	31,730.40
1406-023	Dissect Coil	15APR05	5	21APR05	141		0.00	6,320.00
Testing								
1406-029	Fab New Specimen Molds	01DEC03A	107*	30APR04A		100	22,992.00	22,992.00
1406-029.1	Design samples	01MAR04A	15	31MAR04A		100	0.00	0.00
1406-030	Fab & Pot samples	26JAN04A	108*	28MAY04A		100	31,334.40	31,334.40
1406-031	Prep fixtures and test equipt	03NOV03A	141	28MAY04A		100	69,234.00	69,234.00
1406-032	Test samples	01MAR04A	65	28MAY04A		100	51,225.60	51,225.60
1406-033	Prepare Test report	01JUL04*	15	22JUL04	225		0.00	0.00
1406-034	Mod Coil Conductor/Insulation FDR		0	22JUL04*	225		0.00	0.00
1406-50	Fab Straight Tee Specimen	21JUN04A	14*	30JUN04A		100	17,203.20	17,203.20
1406-51	VPI Tee specimen	12JUL04A	17*	03AUG04	180	30	2,304.00	7,680.00
1406-52	Ship Tee specimen to ORNL	25AUG04*	5	31AUG04	165		0.00	637.00
1406-53	ORNL test Tee specimen	01SEP04	32*	15OCT04	165		0.00	0.00
1406-54	Complete shear modulus & cyclic testing	01JUN04A	43*	30JUL04	219	50	32,277.70	64,555.40
1406-55	Fab chill plate specimens	01JUN04A	24	30JUN04A		100	12,925.00	12,925.00
1406-56	test chill plate specimens	01JUL04*	11*	16JUL04	229		0.00	6,144.00
1406-57	fab cooling tube/chill plate assy	19JUL04*	5	23JUL04	219		0.00	6,398.80
1406-58	fab MC lead braze specimens	26JUL04	5	30JUL04	219		0.00	3,072.00
"inchworm" Twisted Winding								
1406-119	Join straight sections w/2 end loops	01OCT03A	79*	30JAN04A		100	31,590.00	31,590.00
1406-120	Wind Conductor	30JAN04A	86*	28MAY04A		100	18,432.00	18,432.00



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CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

NCSX
CD-3 Baseline
ECP-14

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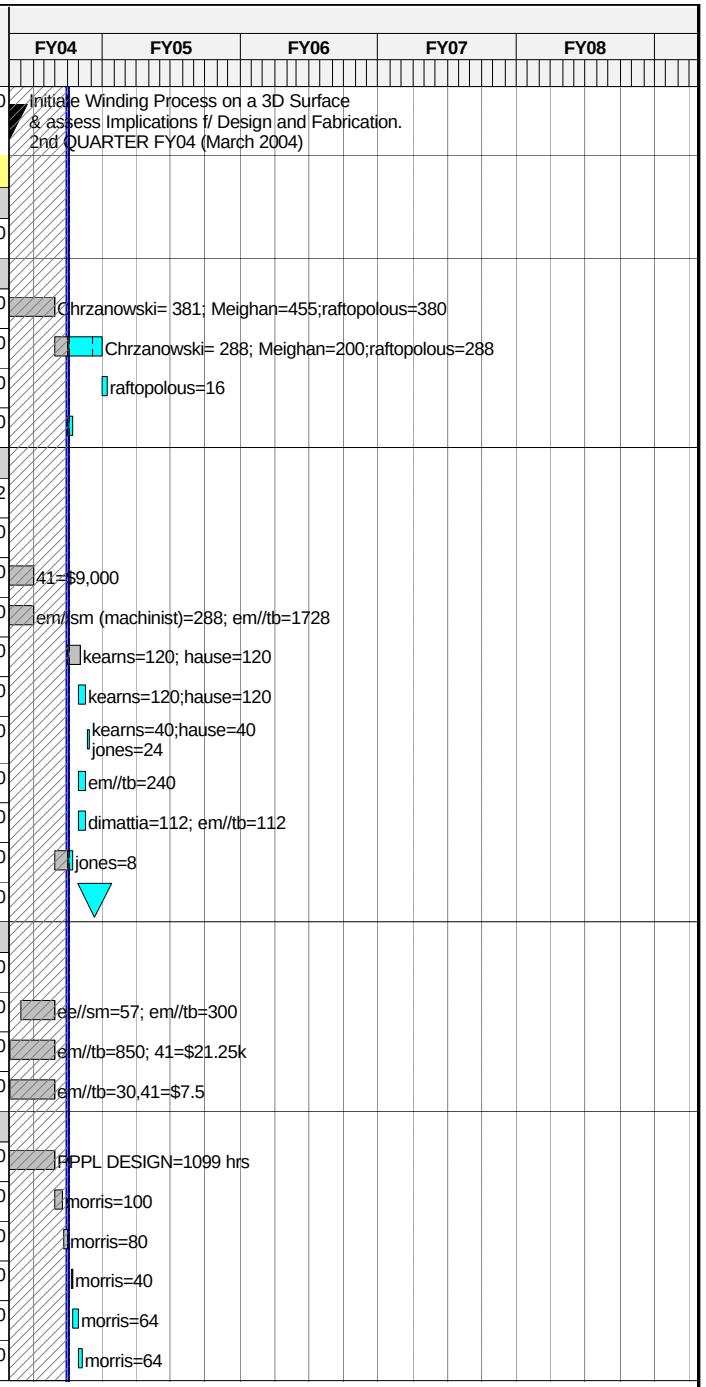
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
1406-040	JOULE MILESTONE #2-Begin winding on 3D surface	30JAN04A	0				0.00	0.00
Job: 1407 -Mod Coil Winding Facility-CHRZANOWSKI								
FY03 Actual Cost								
1407-001	Apr-Sep YTD MIE Cost PPPL	01APR03A	64*	30SEP03A		100	267,550.00	267,550.00
Oversight and Supervision								
1407-002	Winding Facility, Tooling, Materials Oversight	01OCT03A	186*	28MAY04A		LOE	170,204.20	170,204.20
1407.002.2	Winding Facility, Tooling, Materials Oversight	01JUN04A	86*	30SEP04	1,259	LOE	29,087.54	113,623.20
1407.002.3	Winding Facility, Tooling, Materials Oversight	01OCT04*	11*	15OCT04	1,248	LOE	0.00	2,643.20
1407-002.1	Prep Winding Facility Ops Plan(reqd for TRT FRR)	01JUL04	10	15JUL04	1,313	LOE	0.00	0.00
Autoclave								
1407-005	Domes & cylinder Fab & Deliver (PE4226)	01DEC03A	18	23DEC03A		100	20,167.42	20,167.42
1407-006.2	Blower/Elec HW- Fab & Deliver (PE 4218)	31OCT03A	18	31OCT03A		100	509.60	509.60
1407-008	Remaining Autoclave components-Deliver	01OCT03A	49	31MAR04A		100	11,466.00	11,466.00
1407-011	Fabricate Autoclave	01OCT03A	128*	31MAR04A		100	163,036.80	163,036.80
1407-011.1	Autoclave assembly	01JUL04A	26*	06AUG04A		100	18,432.00	18,432.00
1407-011.2	Rebuild vacuum pumps (2)	02AUG04*	15	20AUG04	239		0.00	18,432.00
1407-012	Autoclave PTP	23AUG04*	5	27AUG04	239		0.00	8,668.80
1407.011.3	Fab & Install vacuum lines	02AUG04*	15	20AUG04	239		0.00	18,432.00
1407.011.4	Instl insulation on autoclave	02AUG04*	14	19AUG04	240		0.00	17,203.20
1407.011.5	Write autoclave PTP	01JUN04A	9	14JUL04	266	40	336.64	841.60
1407-013	Autoclave ACC review		0	10SEP04*	236		0.00	0.00
Area Preparation								
1407-200	Decon TFTR test Cell Crane	26NOV03A	20	26NOV03A		N/R	18,432.00	18,432.00
1407-202	Setup facility stations	01MAR04A	118*	28MAY04A		100	29,161.80	29,161.80
1407-204	Build cleanrooms (2) locations	02FEB04A	128*	28MAY04A		100	92,352.50	92,352.50
1407-204.2	Build cleanroom (1 add'l) **2nd line**	02FEB04A	171*	28MAY04A		100	32,595.00	32,595.00
Design Activities								
1407-003	Winding Facility, Tooling, Design	01OCT03A	207*	28MAY04A		100	115,614.80	115,614.80
1407-003.1	Facility Drawings	01JUN04A	14*	18JUN04A		100	10,520.00	10,520.00
1407-003.2	Final Drawings for winding clamps	21JUN04A	10*	30JUN04A		100	8,416.00	8,416.00
1407-003.3	Final Drawings -type C casting supports	12JUL04A	5*	16JUL04A		100	4,208.00	4,208.00
1407-003.4	Final Drawings -casting to ring fixture	19JUL04*	8*	28JUL04	301		0.00	6,732.80
1407-003.5	Final Drawings -Type A casting supports	29JUL04A	8*	09AUG04	424	70	4,712.96	6,732.80



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

NCSX
CD-3 Baseline
ECP-14

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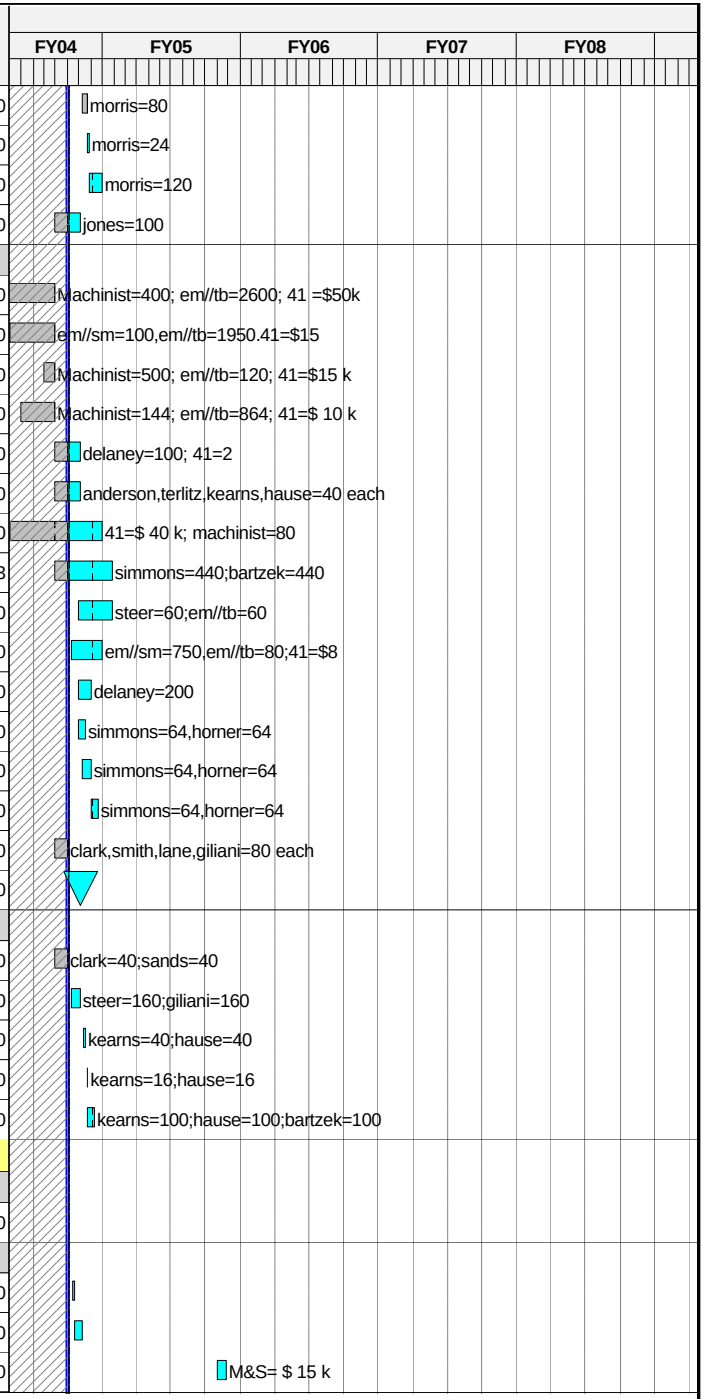
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
1407-003.6	Final Drawings -Type B casting supports	10AUG04A	11*	24AUG04A		100	8,416.00	8,416.00
1407-003.7	Final Drawings -casting stud fixture	25AUG04*	3*	27AUG04	1,282		0.00	2,524.80
1407-003.8	Misc Drawings (ecn's etc)	30AUG04*	23*	30SEP04	1,259		0.00	12,624.00
1407-003.9	Electrical design support/oversight	01JUN04A	48*	06AUG04	1,297	40	4,208.00	10,520.00
Remaining fixtures & tooling								
1407-100	Fabricate turning fixtures and coil supports	01DEC03A	166*	28MAY04A		100	245,050.00	245,050.00
1407-100.2	Fabr turning fixt&coil supports **2nd line**	02FEB04A	128*	28MAY04A		100	131,313.00	131,313.00
1407-110	Fabricate Winding clamp sets (125)	01MAY04A	40	28MAY04A		100	40,488.00	40,488.00
1407-115	Fabricate Conductor payout spool system	01MAR04A	119*	28MAY04A		100	94,258.40	94,258.40
1407-115.2	Fabr Conduct payout spool syst ** 2nd line**	01JUN04A	48*	06AUG04	327	90	11,770.20	13,078.00
1407-128	Setup facility stations 1-5	01JUN04A	48*	06AUG04	190	30	3,686.40	12,288.00
1407-130	Misc tools & equipt	02FEB04A	171*	30SEP04	1,259	10	5,938.40	59,384.00
1407-100.3	Complete Fab & Instl Turning Fixt 2,3&4	01JUN04A	107*	29OCT04	256	60	118,315.82	197,193.03
1407-100.4	Electr hookup turning fixtures 2,3&4	30JUL04*	65*	29OCT04	256		0.00	11,026.80
1407-110.2	Compl Fabr Winding clamp sets (125)	12JUL04A	58*	30SEP04	277	5	4,765.55	95,311.00
1407-124	Fab casting to ring assy fixture station 1	02AUG04*	21	30AUG04	299		0.00	21,060.00
1407-125	Fab Type C casting supports (6) sets	02AUG04A	15	22JUL04	326	5	491.52	9,830.40
1407-126	Fab Type A casting supports (6) sets	10AUG04	15	30AUG04	424		0.00	9,830.40
1407-127	Fab Type B casting supports (6) sets	31AUG04	15	21SEP04	537		0.00	9,830.40
1407-135	construct cleanroom mech and electrical	01JUN04A	22*	30JUN04A		100	24,576.00	24,576.00
1407-199	Winding Facility ACC Rvw stations 2&4		0	06AUG04	190		0.00	0.00
VPI Preparations								
1407-105	Anchor VPI platforms	01JUN04A	4*	30JUN04A		100	6,144.00	6,144.00
1407-106	Instl electric to VPI platforms & cntrl panel	12JUL04*	20*	06AUG04	236	80	19,660.80	24,576.00
1407-107	Perform epoxy mixing trials with delivery sys	16AUG04*	5	20AUG04	231		0.00	6,144.00
1407-108	Mount mixing tanks onto VPI platforms	23AUG04*	2	24AUG04	231		0.00	2,457.60
1407-109	Fab & assemble VPI delivery sys	25AUG04	12	10SEP04	231		0.00	23,040.00
Job:1408-Mod Coil Winding Supplies-CHRZANOWSKI								
FY03 Actual Cost								
1408-001	Apr-Sep YTD MIE Cost PPPL	01APR03A	64	30SEP03A		100	29,790.00	29,790.00
Epoxy								
1408-111	Epoxy -Spec & Requisition	16JUL04*	3*	20JUL04	396		0.00	0.00
1408-114	Epoxy -Evaluate Bids & Award	21JUL04	15	10AUG04	396		0.00	0.00
1408-117	Epoxy -1st Delivery for Production	01AUG05*	20	26AUG05	150		0.00	19,380.00



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

NCSX
CD-3 Baseline
ECP-14

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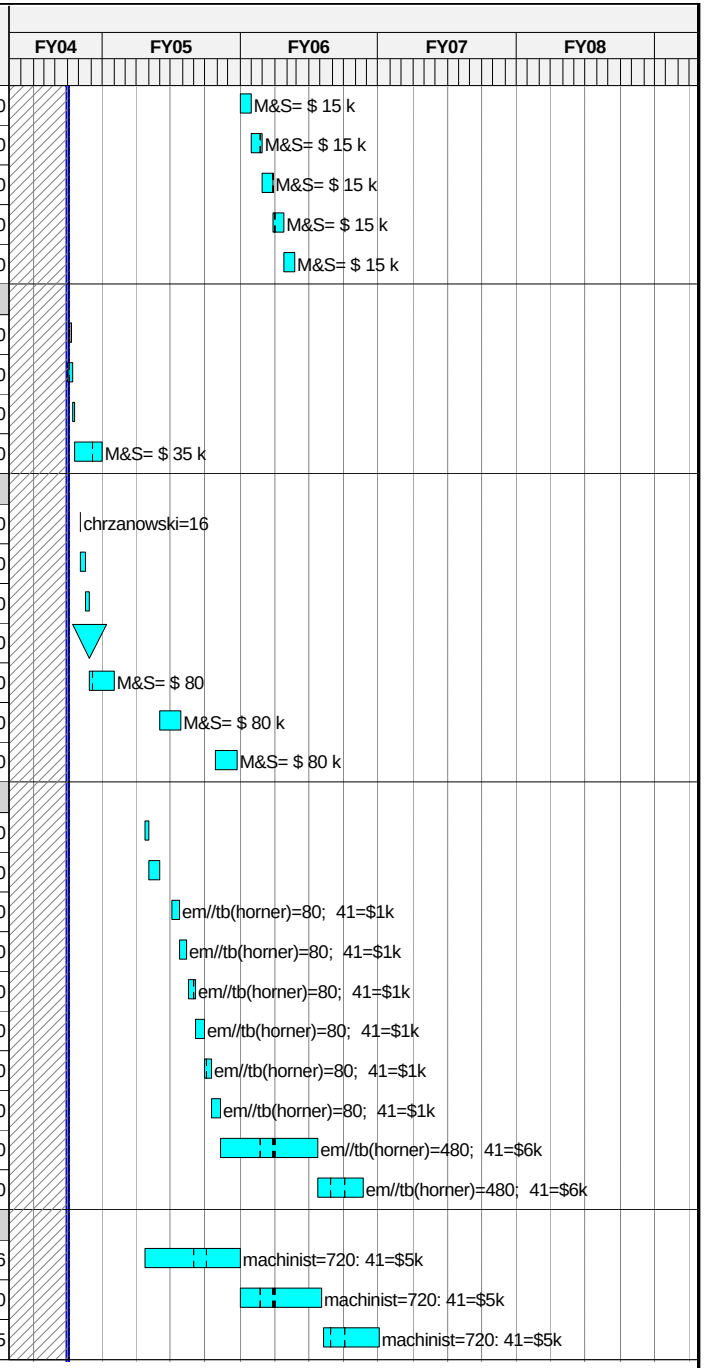
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
1408-119	Epoxy -2nd Delivery for Production	03OCT05*	20	28OCT05	125		0.00	19,575.00
1408-121	Epoxy -3rd Delivery for Production	31OCT05	20	29NOV05	125		0.00	19,575.00
1408-123	Epoxy -4th Delivery for Production	30NOV05*	20	28DEC05	168		0.00	19,575.00
1408-125	Epoxy -5th Delivery for Production	29DEC05*	20	26JAN06	214		0.00	19,575.00
1408-127	Epoxy -6th Delivery for Production	27JAN06*	20	23FEB06	243		0.00	19,575.00
Insulation for conductor								
1408-101	Insulation-Spec & Requisition	09JUL04A	3*	13JUL04A		100	0.00	0.00
1408-103	Insulation-Prep & Issue RFQ/RFP	01JUL04	10	15JUL04	265		0.00	0.00
1408-104	Insulation-Evaluate Bids & Award	16JUL04	5	22JUL04	265		0.00	0.00
1408-107	Insulation-Delivery for Production	23JUL04	47	28SEP04	265		0.00	44,590.00
Copper Conductor								
1408-141	Copper Conductor -Spec & Requisition	03AUG04*	3	05AUG04	261		0.00	2,571.20
1408-142	Copper Conductor -Prep & Issue RFQ/RFP	06AUG04	10	19AUG04	261		0.00	0.00
1408-143	Copper Conductor -Evaluate Bids & Award	20AUG04	5	26AUG04	261		0.00	0.00
1408-143.1	Mod Coil Copper Conductor Awarded		0	26AUG04	261		0.00	0.00
1408-147	Copper Conductor -Delivery #1	27AUG04	46*	01NOV04	261		0.00	103,360.00
1408-145	Copper Conductor -Delivery #2	01MAR05*	41	26APR05	288		0.00	103,360.00
1408-146	Copper Conductor -Delivery #3	29JUL05*	41	23SEP05	311		0.00	103,360.00
Chill Plates,Cladding&Tubing								
1408-131L	Chill Plates -Spec & Requisition	21JAN05	10	03FEB05	147		0.00	0.00
1408-133L	Chill plates -Bid & Award Material	04FEB05	20	03MAR05	147		0.00	0.00
1408-137L	Chill plates ,cladsding,tubing Fab Type C1	04APR05*	15	22APR05	126		0.00	7,612.00
1408-137L1	Chill plates ,cladsding,tubing Fab Type C2	25APR05	15	13MAY05	126		0.00	7,612.00
1408-137L2	Chill plates ,cladsding,tubing Fab Type C3	16MAY05	15	06JUN05	137		0.00	7,612.00
1408-137L3	Chill plates ,cladsding,tubing Fab Type C4	07JUN05	15	27JUN05	144		0.00	7,612.00
1408-137L4	Chill plates ,cladsding,tubing Fab Type C5	28JUN05	15	19JUL05	144		0.00	7,612.00
1408-137L5	Chill plates ,cladsding,tubing Fab Type C6	20JUL05	15	09AUG05	144		0.00	7,612.00
1408-138L	Chill plates ,cladsding,tubing Fab Type A	10AUG05*	180	24APR06	144		0.00	46,225.80
1408-139L	Chill plates ,cladsding,tubing Fab Type B	25APR06*	85	23AUG06	144		0.00	46,374.00
G-11 Filler								
1408-153	G-11 Filler Fabrication - Production Type C	21JAN05	180	03OCT05	105		0.00	84,443.56
1408-154	G-11 Filler Fabrication - Production Type A	04OCT05*	150	05MAY06	105		0.00	85,797.00
1408-155	G-11 Filler Fabrication - Production Type B	08MAY06*	105	03OCT06	105		0.00	85,918.05



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

NCSX
CD-3 Baseline
ECP-14

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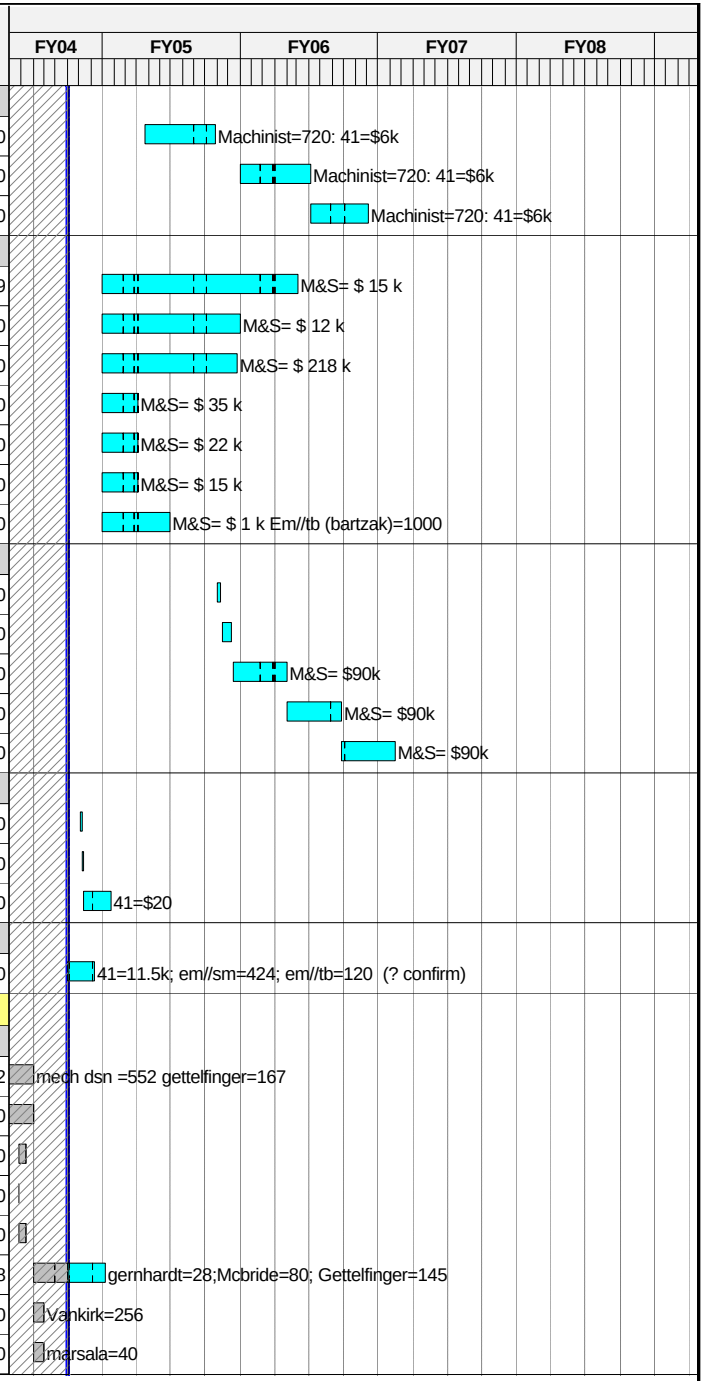
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
Lead hardware								
1408-163	Lead hardware Fabrication - Production Type C	21JAN05	130	25JUL05	157		0.00	85,728.00
1408-164	Lead hardware Fabrication - Production Type A	03OCT05*	130	06APR06	126		0.00	87,102.00
1408-165	Lead hardware Fabrication - Production Type B	07APR06*	105	04SEP06	126		0.00	87,102.00
Other								
1408-137	Safety & Disposable supplies	01OCT04*	359*	01MAR06	241		0.00	19,436.49
1408-138	Misc. Supplies	01OCT04*	255*	30SEP05	390		0.00	15,504.00
1408-173	Epoxy for Shell Mold (CTD-540)	01OCT04*	250	23SEP05	253		0.00	23,256.00
1408-183	Tubing (Chem flor and Poly)	01OCT04*	65	05JAN05	218		0.00	45,220.00
1408-184	Vulcanizing tape, felt and RTV	01OCT04*	65	05JAN05	218		0.00	28,424.00
1408-185	Valves and Fittings	01OCT04*	65	05JAN05	218		0.00	19,380.00
1408-186	Manifolds	01OCT04*	127	01APR05	253		0.00	80,292.00
Clamps								
1408-131P	Clamps -Spec & Requisition	01AUG05*	10	12AUG05	136		0.00	0.00
1408-133P	Clamps -Bid & Award	15AUG05	20	09SEP05	136		0.00	0.00
1408-137P	Clamps Production Type C	12SEP05	100	02FEB06	136		0.00	117,274.50
1408-138P	Clamps Production Type A	03FEB06*	100	23JUN06	136		0.00	117,450.00
1408-139P	Clamps Production Type B	26JUN06	100	13NOV06	136		0.00	118,761.30
Groundwrap Insulation								
1408-110	Grndwrap Insulation-Spec & Requisition	06AUG04*	3	10AUG04	236		0.00	0.00
1408-112	Grndwrap-Bid & Award	11AUG04	3	13AUG04	236		0.00	0.00
1408-112.1	Grndwrap-Delivery	16AUG04	50	25OCT04	236		0.00	25,602.40
1408-999	**Increased hardware for 3 winding lines	01JUL04	50	10SEP04	1,297		0.00	68,514.20
Job: 1409 - Mod. Coil Test Stand-GETTELFINGER								
Test Stand								
1409-000	FY04 Oct-Mar	20OCT03A	66*	31MAR04A		100	215,830.82	215,830.82
1409-026	Install Electrical	01JAN04A	94*	31MAR04A		100	0.00	0.00
1409-030	Generate I2T Reqmnts	23FEB04A	16	15MAR04A		100	0.00	0.00
1409-036	Define N2 Election Scheme	23FEB04A	2	24FEB04A		100	0.00	0.00
1409-038	Plan/Procure N2 Ejection Scheme	25FEB04A	14	15MAR04A		100	0.00	0.00
1409-029	Oversight/Supervision	01APR04A	134*	08OCT04	261	LOE	16,759.19	35,061.08
1409-025	Complete Design **ECP-6**$ incr*	01APR04A	0*	30APR04A		100	26,931.20	26,931.20
1409-032	Design I2T Protection **ECP-6**$ incr*	01APR04A	0*	30APR04A		100	6,028.00	6,028.00



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

NCSX
CD-3 Baseline
ECP-14

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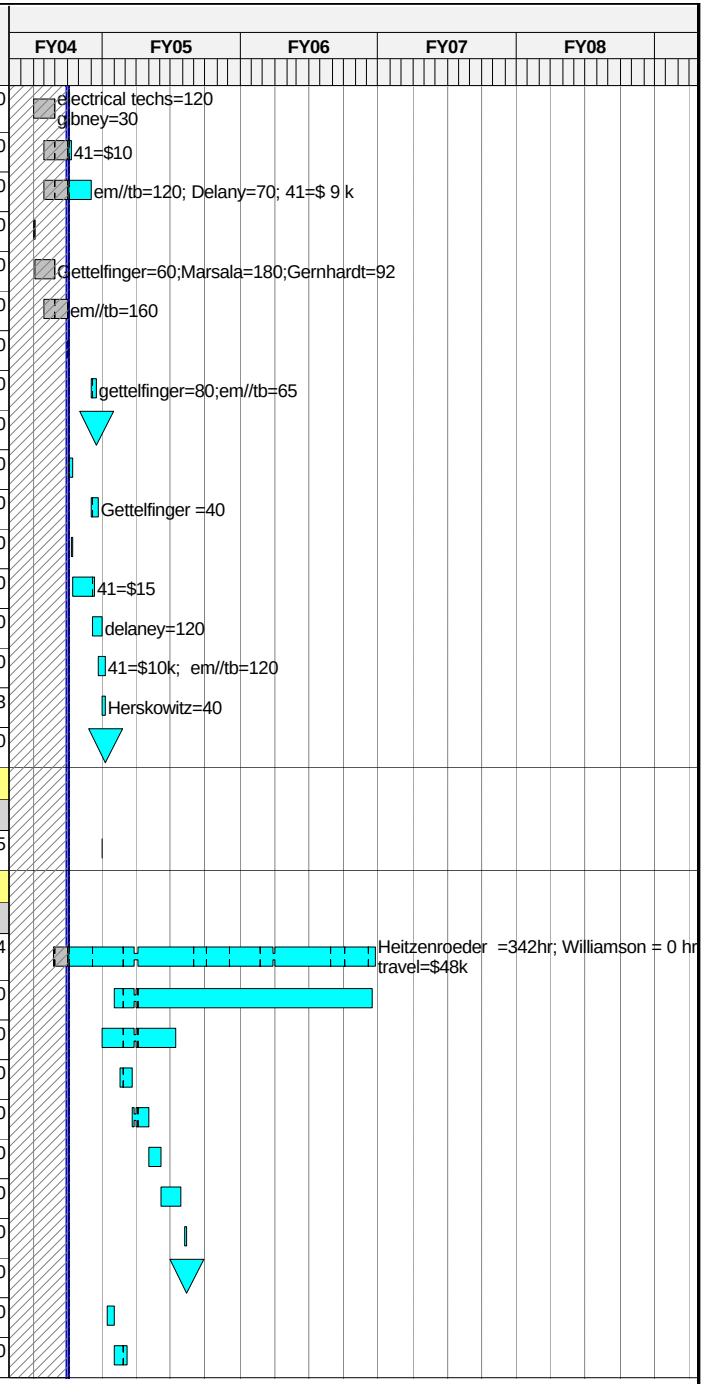
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
1409-034	Fabricate I2T Cards **ECP-6**$ incr*	01APR04A	42*	28MAY04A		100	15,795.00	15,795.00
1409-040	Install N2 Ejection Scheme **ECP-6**$ incr*	01MAY04A	49*	12JUL04	308	95	12,103.00	12,740.00
1409-027	Cryo Line Installation	03MAY04A	86*	01SEP04	271	5	1,402.65	28,053.00
1409-110	ES&H Peer Review	05APR04A	1	05APR04A		100	0.00	0.00
1409-100	Design Controls Modifications **ECP-6*new scope*	08APR04A	37*	28MAY04A		100	46,696.80	46,696.80
1409-120	Install Control Modifications **ECP-6*new scope*	01MAY04A	42*	30JUN04A		100	12,288.00	12,288.00
1409-044	Final Design &Oper Preparedness Rvw	01JUL04*	1	01JUL04	314		0.00	0.00
1409-028	System Testing **ECP-6**$ incr*	02SEP04	9*	15SEP04	271		0.00	17,912.00
1409-046	Facility (simply cooled) Available**ECP-6**$ inc		0	15SEP04	271		0.00	0.00
1409-140	Design Closed Loop LN2 System **ECP-6*new	06JUL04*	7*	14JUL04	1,314		0.00	0.00
1409-130	Cryostat (specimen shroud) dsn **ECP-6*new scope	01SEP04*	15*	22SEP04	261		0.00	6,460.00
1409-145	Peer rvw closed loop LN2 syst **ECP-6*new scope	14JUL04*	1	14JUL04	274		0.00	0.00
1409-150	Proc Matl's/pump f/closed LN2 **ECP-6*new scope	15JUL04	41	10SEP04	274		0.00	19,110.00
1409-155	Fab/Instl Closed Loop LN2 sys **ECP-6*new scope	09SEP04*	15*	29SEP04	261		0.00	12,636.00
1409-135	Cryostat (specimen shroud) Fabr**ECP-6*new	23SEP04*	12*	08OCT04	261		0.00	22,178.00
1409-160	Test Closed Loop Cooling**ECP-6*new scope	30SEP04	7	08OCT04	261		0.00	3,147.43
1409-165	Closed Loop Facility Available**ECP-6*new scope		0	08OCT04	261		0.00	0.00
Job: 1410 Mod Coil Prototype Winding-CHRZANOWSKI								
Prototype Winding								
141-3-44	>>> NO PROTOTYPE WINDING	01OCT04*	1	01OCT04	1,258		0.00	1.65
Job: 1411-Modular Coil Casting Fab-HEITZENROEDER								
Type C Castings								
172-031	Title III engr	24MAY04A	647	25SEP06	765		19,314.01	139,956.54
172-037	MCWF FAB	01NOV04*	484*	14SEP06	785		0.00	0.00
1064	upfront production cost (prelim as of 8/24)	01OCT04*	136*	15APR05	1,154		0.00	2,967,060.00
1065	Inspect & Weld Repair C-1	16NOV04*	25	22DEC04	115		0.00	0.00
1070.1	Machine First Poloidal Break C-1	23DEC04	25	31JAN05	115		0.00	0.00
1070.2	Machine Flanges & Bolt Holes C-1	01FEB05	25	07MAR05	115		0.00	0.00
1070.3	Machine Tee C-1	08MAR05	37	27APR05	115		0.00	0.00
1071	Ship C-1 to PPPL	09MAY05*	5	13MAY05	108		0.00	305,360.00
C-121.1	First MCWF Delivered		0	13MAY05	116		0.00	0.00
1074	Build mold C-2	15OCT04*	15	04NOV04	155		0.00	0.00
1075	Pour C-2	05NOV04	20	06DEC04	155		0.00	0.00



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

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CD-3 Baseline
ECP-14

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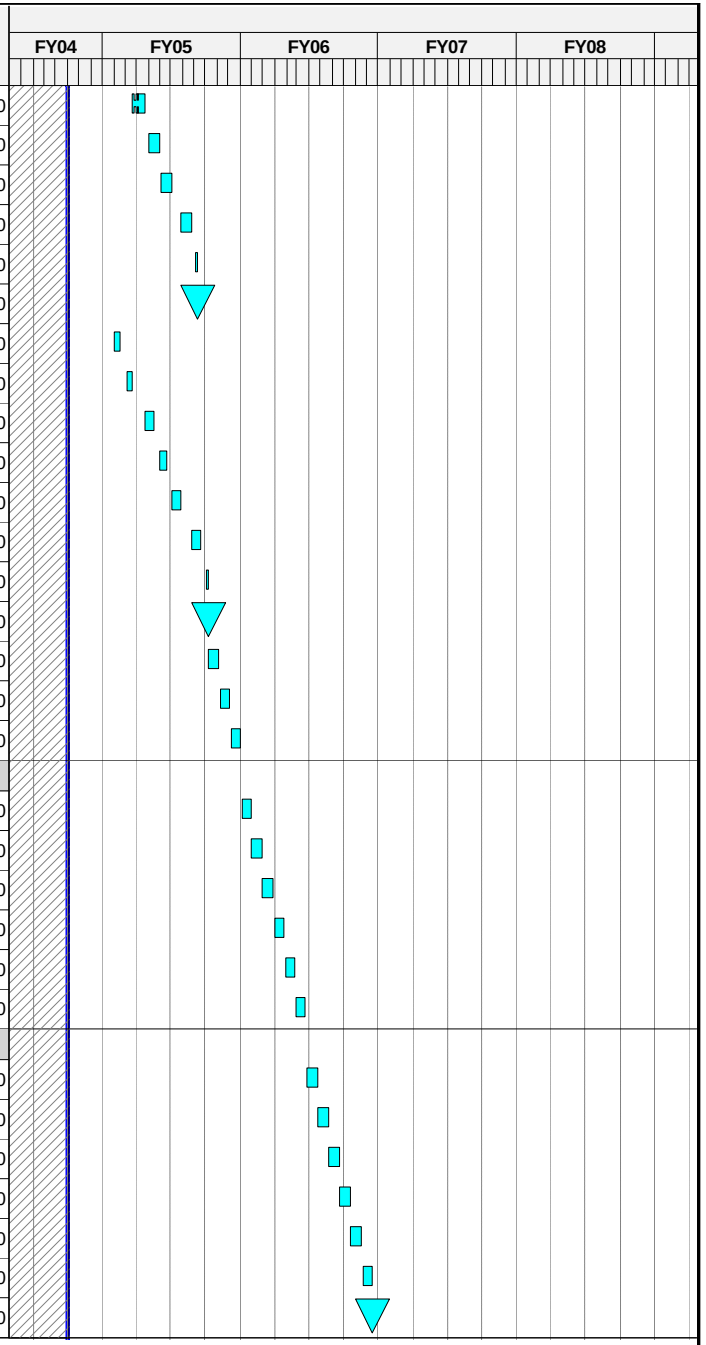
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
1080	Inspect & Weld Repair C-2	23DEC04	20	24JAN05	143		0.00	0.00
1090.1	Machine First Poloidal Break C-2	01FEB05	20	28FEB05	138		0.00	0.00
1090.2	Machine Flanges & Bolt Holes C-2	08MAR05	20	04APR05	133		0.00	0.00
1090.3	Machine Tee C-2	28APR05	19	24MAY05	116		0.00	0.00
1092	Ship C-2 to PPPL	06JUN05	5	10JUN05	108		0.00	305,360.00
1091	Second Casting Delivered to PPPL		0	10JUN05	108		0.00	0.00
1094	Build mold C-3	05NOV04	10	18NOV04	195		0.00	0.00
1095	Pour C-3	07DEC04	10	20DEC04	185		0.00	0.00
1100	Inspect & Weld Repair C-3	25JAN05	18	17FEB05	163		0.00	0.00
1110.1	Machine First Poloidal Break C-3	01MAR05	15	21MAR05	156		0.00	0.00
1110.2	Machine Flanges & Bolt Holes C-3	05APR05	15	25APR05	146		0.00	0.00
1110.3	Machine Tee C-3	25MAY05*	19	20JUN05	125		0.00	0.00
1112	Ship C-3 to PPPL	04JUL05	5	08JUL05	116		0.00	305,360.00
1111	Third Casting Delivered to PPPL		0	08JUL05	116		0.00	0.00
C-321	Castings-C-4	11JUL05	19	04AUG05	131		0.00	305,360.00
C-401	Castings-C-5	09AUG05	19	02SEP05	131		0.00	305,360.00
C-461	Castings-C-6	07SEP05	19	03OCT05	131		0.00	305,360.00
Type B Castings								
C-141	Castings-B-1	06OCT05	19	01NOV05	131		0.00	305,360.00
C-201	Castings-B-2	02NOV05	19	28NOV05	131		0.00	305,360.00
C-281	Castings-B-3	01DEC05	19	27DEC05	131		0.00	305,360.00
C-341	Castings-B-4	30DEC05	19	25JAN06	131		0.00	305,360.00
C-421	Castings-B-5	30JAN06	19	23FEB06	131		0.00	305,360.00
C-481	Castings-B-6	28FEB06	19	24MAR06	131		0.00	305,360.00
Type A Castings								
C-161B	Castings-A-1	29MAR06	19	24APR06	131		0.00	305,360.00
C-221B	Castings-A-2	27APR06	19	23MAY06	131		0.00	305,360.00
C-301B	Castings-A-3	26MAY06	19	21JUN06	131		0.00	152,680.00
C-361B	Castings-A-4	22JUN06	19	18JUL06	131		0.00	152,680.00
C-441B	CastingsA-5	21JUL06	19	16AUG06	131		0.00	305,360.00
C-501B	Castings-A-6 (last MCC form delivered)	21AUG06	19	14SEP06	131		0.00	305,360.00
C-501B1	Last MCWF Delivered		0	14SEP06	131		0.00	0.00



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

NCSX
CD-3 Baseline
ECP-14

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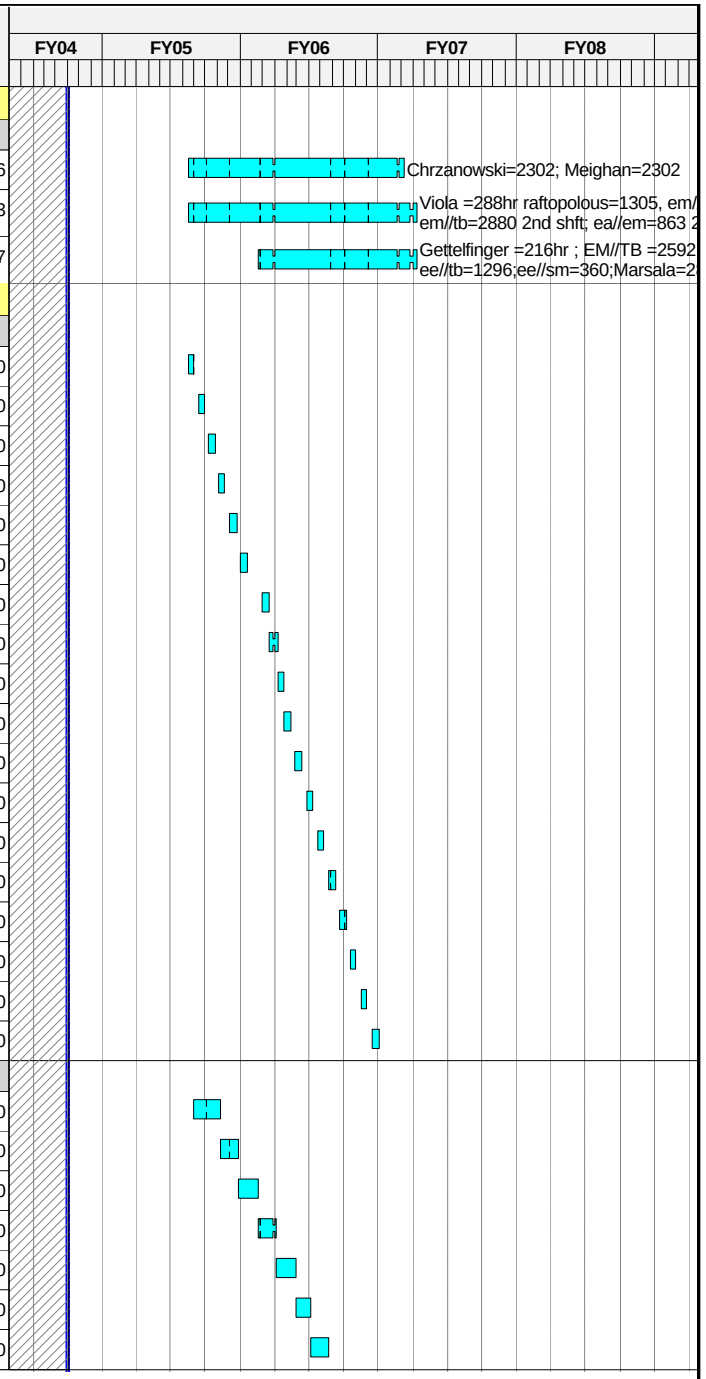
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
Job: 1421 - Winding labor-CHRZANOWSKI								
Labor								
171-040	Winding Oversight (LOE)	**16MAY05***	*393*	**07DEC06**	***714***		***0.00***	643,464.06
171-041	Modular Coil Winding (18 coils) **reduced est	**16MAY05**	*411**	**10JAN07**	***104***		***0.00***	3,162,888.03
171-041CT	PBR Increment for cold testing	**21NOV05**	*279**	**10JAN07**	***104***		***0.00***	440,831.07
Job: 1423 - Winding/VPI Tasks CHRZANOWSKI								
Station 1 Prep, Install Cladding, Final Clamps								
P1-001	Receive C1, Prep& Instl Cladding(Station 1)	**16MAY05**	*12*	**01JUN05**	***113***		***0.00***	0.00
P1-091	Receive C2, Prep& Instl Cladding(Station 1)	**13JUN05**	*12*	**28JUN05**	***106***		***0.00***	0.00
P2-001	Receive C3, Prep& Instl Cladding(Station 1)	**11JUL05**	*12*	**26JUL05**	***113***		***0.00***	0.00
P2-091	Receive C4, Prep& Instl Cladding(Station 1)	**05AUG05**	*12*	**22AUG05**	***138***		***0.00***	0.00
P3-001	Receive C5, Prep& Instl Cladding(Station 1)	**06SEP05**	*12*	**21SEP05**	***129***		***0.00***	0.00
P3-091	Receive C6, Prep& Instl Cladding(Station 1)	**04OCT05**	*12*	**19OCT05**	***127***		***0.00***	0.00
P1-031	Receive B-1, Prep& Instl Cladding(Station 1)	**30NOV05**	*12*	**15DEC05**	***121***		***0.00***	0.00
P1-121	Receive B-2, Prep& Instl Cladding(Station 1)	**16DEC05**	*12*	**10JAN06**	***121***		***0.00***	0.00
P2-031	Receive B-3, Prep& Instl Cladding(Station 1)	**11JAN06**	*12*	**26JAN06**	***127***		***0.00***	0.00
P2-121	Receive B-4, Prep& Instl Cladding(Station 1)	**27JAN06**	*12*	**13FEB06**	***148***		***0.00***	0.00
P3-031	Receive B-5, Prep& Instl Cladding(Station 1)	**24FEB06**	*12*	**13MAR06**	***140***		***0.00***	0.00
P3-121	Receive B-6, Prep& Instl Cladding(Station 1)	**27MAR06**	*12*	**11APR06**	***137***		***0.00***	0.00
P1-061	Receive A-1, Prep& Instl Cladding(Station 1A)	**25APR06**	*12*	**10MAY06**	***151***		***0.00***	0.00
P1-151	Receive A-2, Prep& Instl Cladding(Station 1A)	**24MAY06**	*12*	**09JUN06**	***146***		***0.00***	0.00
P2-061	Receive A-3, Prep& Instl Cladding(Station 1A)	**22JUN06**	*12*	**10JUL06**	***138***		***0.00***	0.00
P2-151	Receive A-4, Prep& Instl Cladding(Station 1A)	**19JUL06**	*12*	**03AUG06**	***137***		***0.00***	0.00
P3-061	Receive A-5, Prep& Instl Cladding(Station 1A)	**17AUG06**	*12*	**01SEP06**	***128***		***0.00***	0.00
P3-151	Receive A-6, Prep& Instl Cladding(Station 1A)	**15SEP06**	*12*	**02OCT06**	***124***		***0.00***	0.00
Station 2-Winding, Instl Chill Plates,Tubing,Bag								
P1-011	Wind coil C-1 (station 2)	**02JUN05***	*49*	**10AUG05**	***113***		***0.00***	0.00
P1-020	Instl Chill Plates,Tubing, Bag C1 (Station 2)	**11AUG05**	*33*	**27SEP05**	***113***		***0.00***	0.00
P2-101	Wind coil C-4 (station2)	**28SEP05**	*38*	**18NOV05**	***113***		***0.00***	0.00
P2-110	Instl Chill Plates,Tubing, Bag C4(Station 2)	**21NOV05**	*25*	**04JAN06**	***113***		***0.00***	0.00
P1-041	Wind coil B1 (station 2)	**05JAN06**	*38*	**27FEB06**	***113***		***0.00***	0.00
P1-050	Instl Chl Plates,Tubing, Bag B1(Station 2)	**28FEB06**	*25*	**03APR06**	***113***		***0.00***	0.00
P2-131	Wind coil B4 (station 2)	**04APR06**	*38*	**25MAY06**	***113***		***0.00***	0.00



Run Date **10SEP04 12:24**

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

NCSX
CD-3 Baseline
ECP-14

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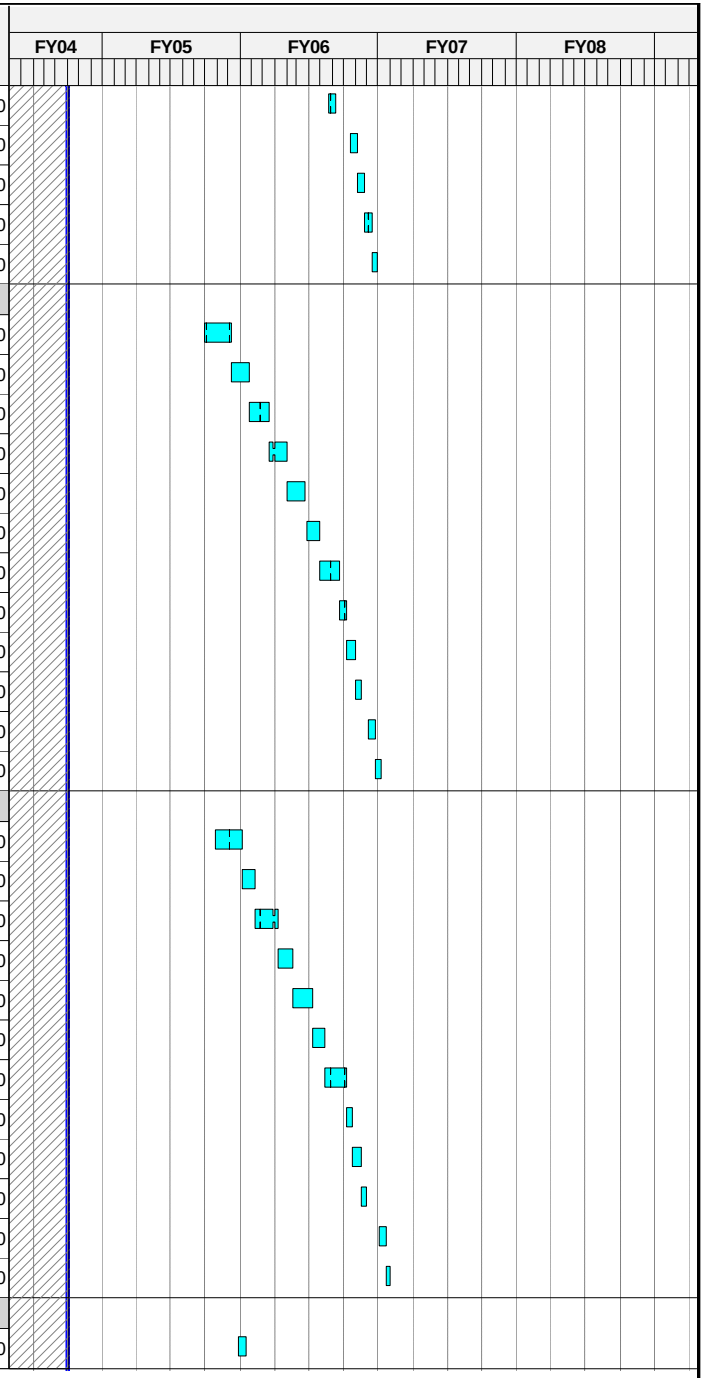
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
P2-140	Instl Chl Plates,Tubing, Bag B4(Station 2) 2shft	26MAY06	12	13JUN06	113		0.00	0.00
P1-071	Wind coil A1 (station 2)**2 shift	19JUL06	16	09AUG06	104		0.00	0.00
P1-080	Instl Chl Plates,Tubing,Bag A1(Station 2)*2 shft	10AUG06	11	24AUG06	104		0.00	0.00
P2-161	Wind coil A4 (station 2) **2 shift	25AUG06	14	14SEP06	124		0.00	0.00
P2-170	Instl Chill Plates,Tubing,Bag A4Station2)*2 shft	15SEP06	10	28SEP06	124		0.00	0.00
Station 3-Winding, Instl Chill Plates,Tubing,Bag								
P1-101	Wind coil C-2(station 3)	29JUN05*	49	07SEP05	106		0.00	0.00
P1-110	Instl Chill Plates,Tubing, Bag C2 (Station 3)	08SEP05	33	24OCT05	106		0.00	0.00
P3-011	Wind coil C-5 (station 3)	25OCT05	38	19DEC05	106		0.00	0.00
P3-020	Instl Chill Plates,Tubing, Bag C5 (Station 3)	20DEC05	25	31JAN06	106		0.00	0.00
P1-131	Wind coil B2 (station 3)	01FEB06	38	24MAR06	106		0.00	0.00
P1-140	Instl Chl Plates,Tubing, BagB2Station 3)	27MAR06	25	28APR06	106		0.00	0.00
P3-041	Wind coil B5 (station 3)	01MAY06	38	22JUN06	106		0.00	0.00
P3-050	Instl Chl Plates,Tubing, BagB5Station 3)2 shft	23JUN06	12	11JUL06	106		0.00	0.00
P1-161	Wind coil A2 (station 3) **2 shift	12JUL06	16	02AUG06	126		0.00	0.00
P1-170	Instl Chill Plates,Tubing,Bag A2Station 3)*2shft	03AUG06	11	17AUG06	126		0.00	0.00
P3-071	Wind coil A5 (station 3) **2 shift	05SEP06	14	22SEP06	128		0.00	0.00
P3-080	Instl Chill Plates,Tubing,Bag A5Station 3)*2shft	25SEP06	10	06OCT06	128		0.00	0.00
Station 4-Winding, Instl Chill Plates,Tubing,Bag								
P2-011	Wind coil C3 (station 4)	27JUL05	49	04OCT05	113		0.00	0.00
P2-020	Instl Chill Plates,Tubing, Bag C3 (Station 4)	05OCT05	25	08NOV05	113		0.00	0.00
P3-101	Wind coil C-6 (station 4)	09NOV05	38	11JAN06	113		0.00	0.00
P3-110	Instl Chill Plates,Tubing, Bag C6 (Station 4)	12JAN06	25	15FEB06	113		0.00	0.00
P2-041	Wind coil B3 (station 4)	16FEB06	38	10APR06	113		0.00	0.00
P2-050	Instl Chl Plates,Tubing, Bag B3 (Station 4)	11APR06	25	15MAY06	113		0.00	0.00
P3-131	Wind coil B6 (station 4)	16MAY06	38	10JUL06	113		0.00	0.00
P3-140	Instl Chl Plates,Tubing, Bag B6 (Station 4)2shft	11JUL06	12	26JUL06	113		0.00	0.00
P2-071	Wind coil A3 (station 4)**2 shift	27JUL06	16	17AUG06	126		0.00	0.00
P2-080	Instl Chill Plates,Tubing,Bag A3(Station 4)2shft	18AUG06	11	01SEP06	126		0.00	0.00
P3-161	Wind coil A6 (station 4)** 2 shift	03OCT06	14	20OCT06	124		0.00	0.00
P3-170	Instl Chill Plates,Tubing,BagA6Station 4)**2shft	23OCT06	10	03NOV06	124		0.00	0.00
Station 5-VPI								
P1-021V	VPI (Station 5) C1	28SEP05	14	17OCT05	165		0.00	0.00



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

NCSX
CD-3 Baseline
ECP-14

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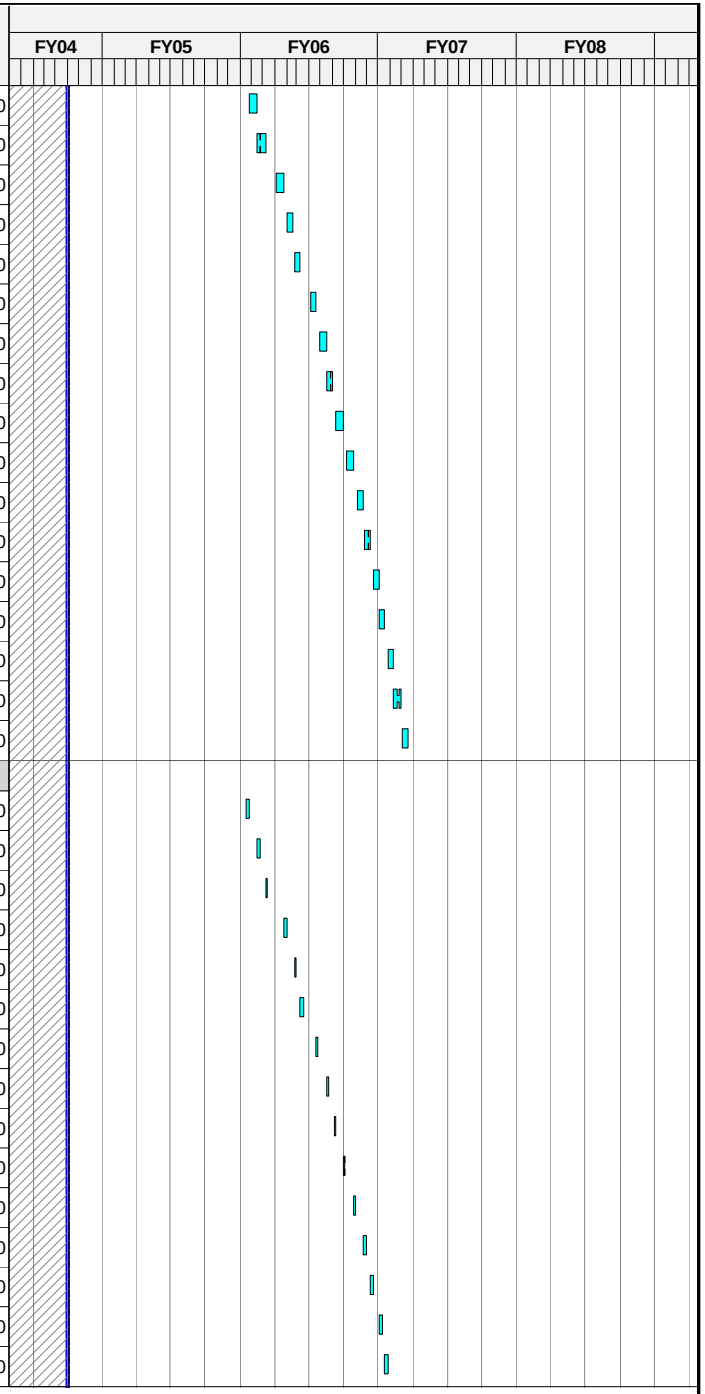
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
P1-111V	VPI (Station 5) C2	25OCT05	14	11NOV05	160		0.00	0.00
P2-021V	VPI (Station 5) C3	14NOV05	14	05DEC05	160		0.00	0.00
P2-111V	VPI (Station 5) C4	05JAN06	14	24JAN06	144		0.00	0.00
P3-021V	VPI (Station 5) C5	01FEB06	13	17FEB06	139		0.00	0.00
P3-111V	VPI (Station 5) C6	20FEB06	13	08MAR06	139		0.00	0.00
P1-051V	VPI (Station 5) B1	04APR06	12	19APR06	121		0.00	0.00
P1-141V	VPI (Station 5) B2	01MAY06	12	16MAY06	114		0.00	0.00
P2-051V	VPI (Station 5) B3	17MAY06	12	02JUN06	114		0.00	0.00
P2-141V	VPI (Station 5) B4	14JUN06	12	29JUN06	113		0.00	0.00
P3-051V	VPI (Station 5) B5	12JUL06	12	27JUL06	106		0.00	0.00
P3-141V	VPI (Station 5) B6	07AUG06	12	22AUG06	106		0.00	0.00
P1-081V	VPI (Station 5) A1	25AUG06	11	11SEP06	104		0.00	0.00
P1-171V	VPI (Station 5) A2	20SEP06	11	04OCT06	104		0.00	0.00
P2-081V	VPI (Station 5) A3	05OCT06	10	18OCT06	104		0.00	0.00
P3-081V	VPI (Station 5) A4	27OCT06	10	09NOV06	104		0.00	0.00
P2-171V	VPI (Station 5) A5	10NOV06	10	27NOV06	104		0.00	0.00
P3-171V	VPI (Station 5) A6	06DEC06	10	19DEC06	104		0.00	0.00
Station 1B Final Clamp Installation								
P1-021C	Install Clamps (Station1) C1	18OCT05	7	26OCT05	258		0.00	0.00
P1-111C	Install Clamps (Station1) C2	14NOV05	7	22NOV05	247		0.00	0.00
P2-021C	Install Clamps (Station1) C3	06DEC05	6	13DEC05	242		0.00	0.00
P2-111C	Install Clamps (Station1) C4	25JAN06	6	01FEB06	219		0.00	0.00
P3-021C	Install Clamps (Station1) C5	20FEB06	5	24FEB06	209		0.00	0.00
P3-111C	Install Clamps (Station1) C6	09MAR06	5	15MAR06	203		0.00	0.00
P1-051C	Install Clamps (Station1) B1	20APR06	5	26APR06	180		0.00	0.00
P1-141C	Install Clamps (Station1) B2	17MAY06	5	23MAY06	168		0.00	0.00
P2-051C	Install Clamps (Station1) B3	05JUN06	5	09JUN06	163		0.00	0.00
P2-141C	Install Clamps (Station1) B4	30JUN06	5	07JUL06	151		0.00	0.00
P3-051C	Install Clamps (Station1) B5	28JUL06	5	03AUG06	139		0.00	0.00
P3-141C	Install Clamps (Station1) B6	23AUG06	5	29AUG06	128		0.00	0.00
P1-081C	Install Clamps (Station1) A1	12SEP06	5	18SEP06	122		0.00	0.00
P1-171C	Install Clamps (Station1) A2	05OCT06	5	11OCT06	112		0.00	0.00
P2-081C	Install Clamps (Station1) A3	19OCT06	5	25OCT06	116		0.00	0.00



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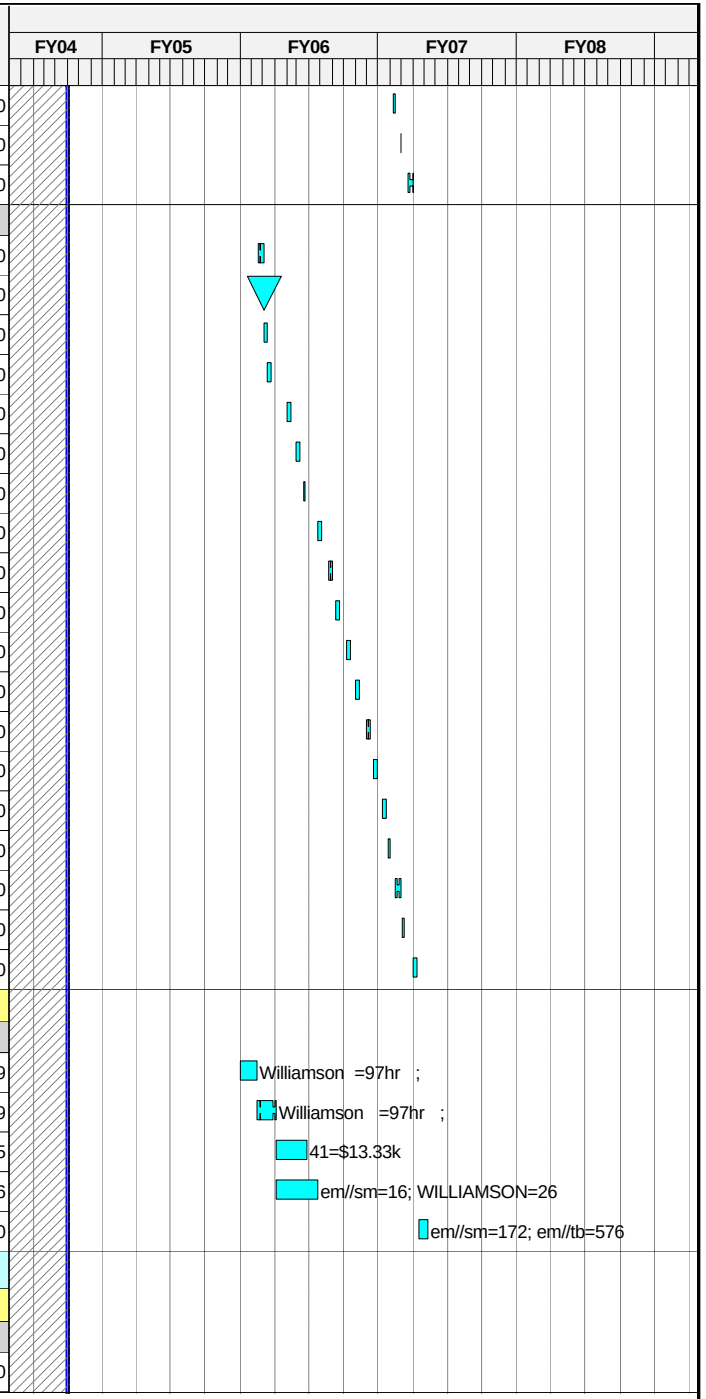
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
P3-081C	Install Clamps (Station1) A4	10NOV06	5	16NOV06	107		0.00	0.00
P3-171C	Install Clamps (Station1) A5	28NOV06	4	01DEC06	114		0.00	0.00
P2-171C	Install Clamps (Station1) A6	20DEC06	4	02JAN07	104		0.00	0.00
Station 6- Coil Test Facility								
P1-021	Test Coil (Coil Test Stand) C1	21NOV05	8	02DEC05	241		0.00	0.00
P1-021.1	Complete First Mod Coil Fabrication C1		0	02DEC05	338		0.00	0.00
P1-111	Test Coil (Coil Test Stand) C2	05DEC05	8	14DEC05	241		0.00	0.00
P2-021	Test Coil (Coil Test Stand) C3	15DEC05	7	23DEC05	241		0.00	0.00
P2-111	Test Coil (Coil Test Stand) C4	02FEB06	7	10FEB06	219		0.00	0.00
P3-021	Test Coil (Coil Test Stand) C5	27FEB06	7	07MAR06	209		0.00	0.00
P3-111	Test Coil (Coil Test Stand) C6	16MAR06	7	24MAR06	203		0.00	0.00
P1-051	Test Coil (Coil Test Stand) B1	27APR06	7	05MAY06	180		0.00	0.00
P1-141	Test Coil (Coil Test Stand) B2	24MAY06	7	02JUN06	168		0.00	0.00
P2-051	Test Coil (Coil Test Stand) B3	12JUN06	7	20JUN06	163		0.00	0.00
P2-141	Test Coil (Coil Test Stand) B4	10JUL06	7	18JUL06	151		0.00	0.00
P3-051	Test Coil (Coil Test Stand) B5	04AUG06	7	14AUG06	139		0.00	0.00
P3-141	Test Coil (Coil Test Stand) B6	30AUG06	7	08SEP06	128		0.00	0.00
P1-081	Test Coil (Coil Test Stand) A1	19SEP06	7	27SEP06	122		0.00	0.00
P1-171	Test Coil (Coil Test Stand) A2	12OCT06	7	20OCT06	112		0.00	0.00
P2-081	Test Coil (Coil Test Stand) A3	26OCT06	7	03NOV06	116		0.00	0.00
P2-171	Test Coil (Coil Test Stand) A4	17NOV06	7	29NOV06	107		0.00	0.00
P3-171	Test Coil (Coil Test Stand) A5	04DEC06	6	11DEC06	114		0.00	0.00
P3-081	Test Coil (Coil Test Stand) A6	03JAN07	6	10JAN07	104		0.00	0.00
Job: 1431 - Modular Coil Local I&C								
174-001	Title I design WBS 143 Mod coil local I&C	03OCT05*	30	11NOV05	407		0.00	14,027.29
174-011	Title II design WBS 143 Mod coil local I&C	14NOV05	30	04JAN06	407		0.00	14,027.29
174-035	Modular Coil local I&C -Procurement	05JAN06	60	29MAR06	413		0.00	17,395.65
174-036	Modular Coil local I&C -Title III	05JAN06	80	26APR06	884		0.00	5,529.26
174-037	Modular Coil local I&C -Install	15JAN07*	20	09FEB07	212		0.00	70,223.20
15 - Structures								
Job: 1501 - Structures Design- Kalish								
PDR/PBR Task List								
1501-105	Project PDR	07OCT03A	1	07OCT03A		100	0.00	0.00



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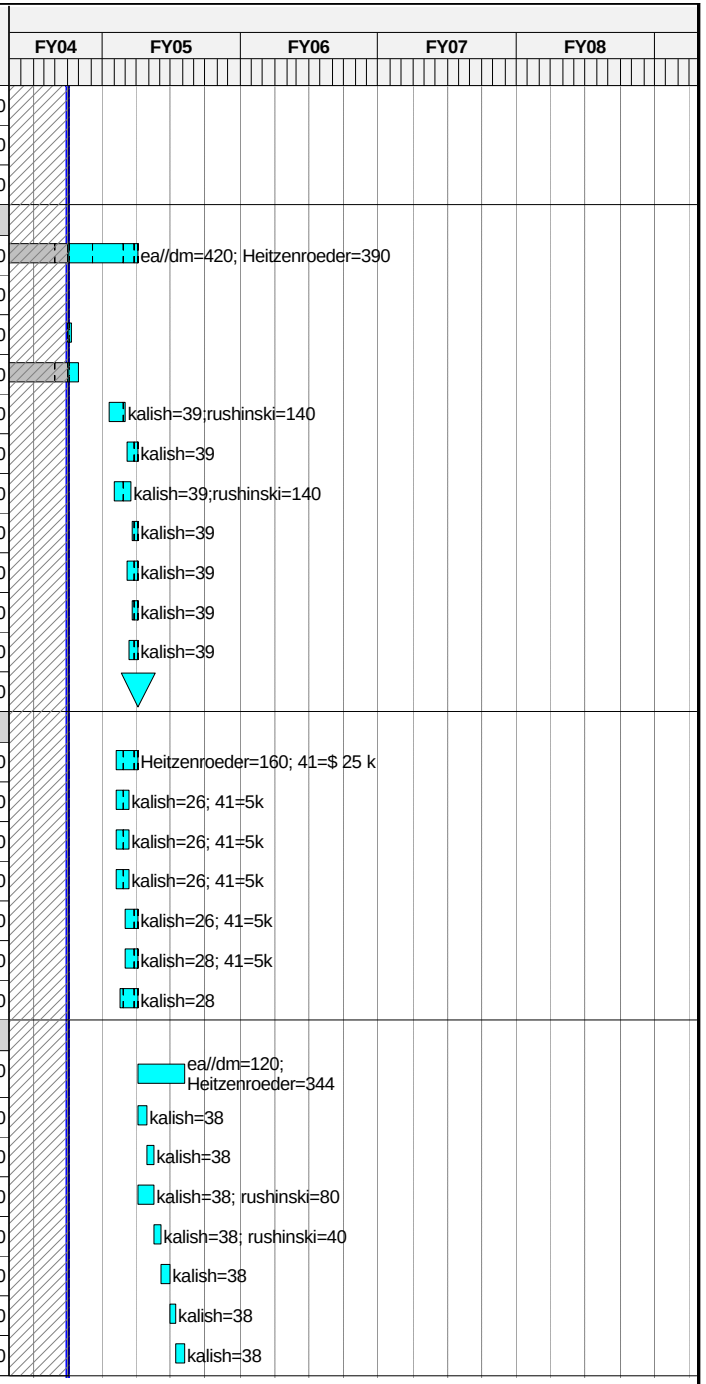
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
1501-109	Prepare FY 04 WP/WAF	31OCT03A	20	31OCT03A		100	12,856.00	12,856.00
1501-113	Prepare PBR documentation	04NOV03A	10	18NOV03A		100	6,428.00	6,428.00
1501-117	Performance baseline review		0	18NOV03A		100	0.00	0.00
Reqmnts,Configuration, Interfaces and PDR								
1501-121	Rqmnts,Config,Interfaces, PDR (summary task)	21OCT03A	306*	04JAN05	212	LOE	0.00	0.00
1501-125	Update drawings & models based on vendor	21OCT03A	30	26NOV03A		100	28,765.30	28,765.30
1501-129	Develop a SRD design to spec	01JUL04	6	09JUL04	324		0.00	6,267.30
1501-133	Prepare a "scope sheet" which defines all interf	03NOV03A	124	28JUL04	321	90	5,640.57	6,267.30
1501-137	Prepare assembly & interface drawings for ICDs	21OCT04	30	03DEC04	212		0.00	29,570.80
1501-141	Finalize and approve all ICDs	06DEC04	20	04JAN05	212		0.00	6,442.80
1501-145	Prepare assembly drawings for structure / coils	04NOV04	30	17DEC04	212		0.00	29,570.80
1501-149	Update design basis document; address size and w	20DEC04	10	04JAN05	212		0.00	6,442.80
1501-157	Perform RAM & ES&H analyses document in design	07DEC04	19	04JAN05	212		0.00	6,442.80
1501-161	Update cost and schedule	20DEC04	10	04JAN05	212		0.00	6,442.80
1501-162	PDR Preparation	13DEC04*	15	04JAN05	212		0.00	6,442.80
1501-165	Perform Coil Support Structure PDR		0	04JAN05*	212		0.00	0.00
Preliminary Design Analyses								
1501-169	Design Analyses (summary task)	10NOV04	36*	04JAN05	212		0.00	0.00
1501-173	Update ANSYS model of coils & structure	10NOV04	21	10DEC04	212		0.00	10,755.20
1501-177	Perform structural stress analyses	10NOV04	21	10DEC04	212		0.00	10,755.20
1501-181	Perform structural deflection analyses	10NOV04	21	10DEC04	212		0.00	10,755.20
1501-185	Check EM loads for reference scenarios	03DEC04	21	04JAN05	212		0.00	10,755.20
1501-189	Perform EM combined loads & fault conditions	03DEC04	21	04JAN05	212		0.00	11,085.60
1501-221	Prepare Failure Modes Assessment (FMECA)	17NOV04	31	04JAN05	212		0.00	4,625.60
Structures Final Design								
1501-205	Structures FDR (summary task)	05JAN05	87*	05MAY05	212		0.00	0.00
1501-197	Update analyses based on PDR recommendations	05JAN05	15	25JAN05	212		0.00	6,277.60
1501-201	Independent check of EM/ ANSYS analyses	26JAN05	15	15FEB05	212		0.00	6,277.60
1501-209	Prepare final drawings	05JAN05*	30	15FEB05	212		0.00	19,493.60
1501-213	Check & promote models / drawings	16FEB05	15	08MAR05	212		0.00	12,885.60
1501-217	Update build to spec / sow	09MAR05	14	28MAR05	212		0.00	6,277.60
1501-225	Update design basis document	29MAR05	11	12APR05	212		0.00	6,277.60
1501-229	Update cost & schedule estimates	12APR05	18	05MAY05	212		0.00	6,277.60



Run Date **10SEP04 12:24**

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

NCSX
CD-3 Baseline
ECP-14

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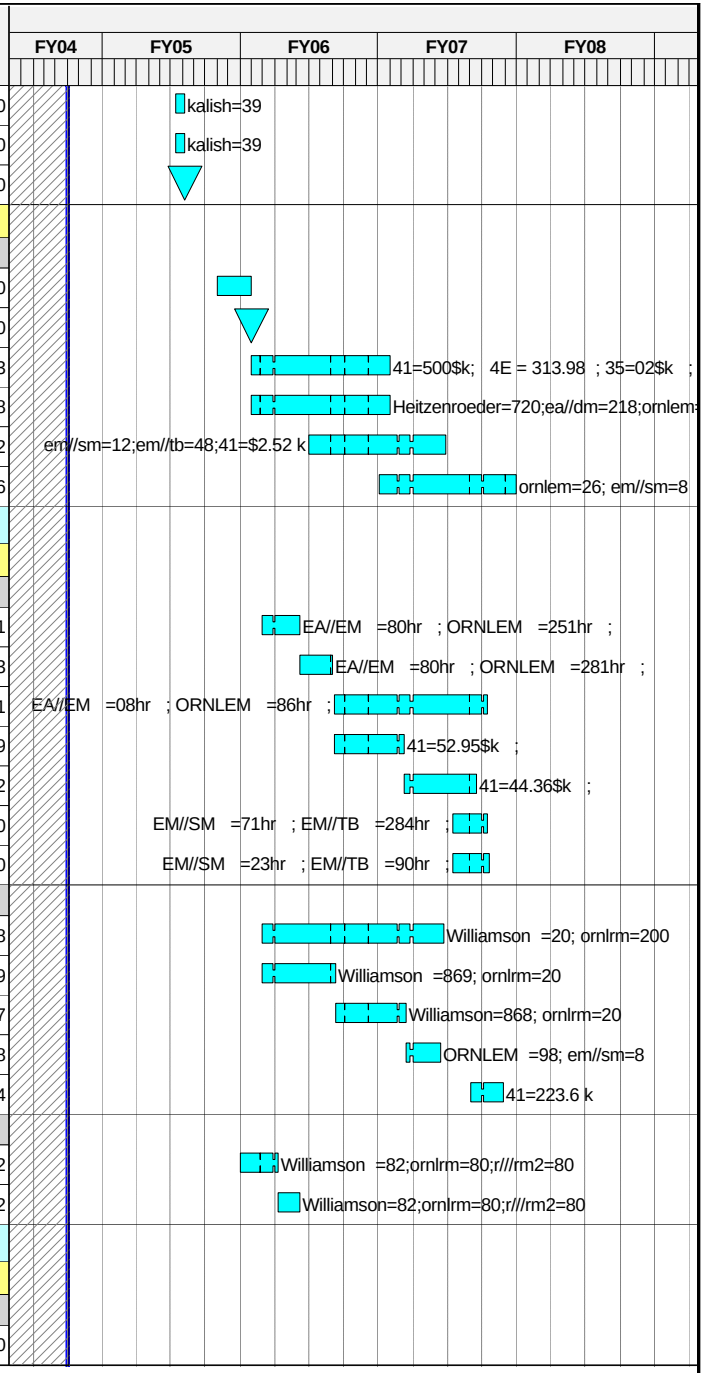
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
1501-233	Prepare FDR documentation / presentations	12APR05	18	05MAY05	212		0.00	6,442.80
1501-237	Prepare ECP for FDR	12APR05	18	05MAY05	212		0.00	6,442.80
1501-241	FDR Coil Support Structure		0	05MAY05	212		0.00	0.00
Job: 1520-Structures Procure,Fab,Title III								
1501-245	Prep Spec,Solicit Bids, and Evaluate Bids	03AUG05	65	01NOV05	151		0.00	0.00
162-036.9	Award Coil Support Assy		0	01NOV05*	147		0.00	0.00
162-037	WBS 151Coil Support Assy Procurement [A/1]	02NOV05	249	31OCT06	147		0.00	991,779.33
162-031	Title III engr WBS 151	02NOV05	249	31OCT06	739		0.00	154,962.18
153.037	WBS 153 Support Structure I&C Procurement/Fab	03APR06*	249	30MAR07	201		0.00	8,718.02
153.015	Title III design WBS 153 localI&C	02OCT06*	249	28SEP07	512		0.00	4,969.96
16 - Coil Services								
161 - LN2 Distribution								
191-001	Title I design WBS 161 LN2 manifolds&piping	01DEC05*	65	09MAR06	221		0.00	49,812.41
191-011	Title II design WBS 161 LN2 manifolds&piping	10MAR06	60	02JUN06	221		0.00	99,769.73
191-031	Title III engr WBS 161	05JUN06*	280	17JUL07	564		0.00	14,468.81
191-037	Procurement WBS 161	05JUN06*	130	07DEC06	221		0.00	69,999.49
191-038	PDR#17	08DEC06*	130	18JUN07	584		0.00	59,974.72
191-041	LN2 Manifolds & ppg Fab/assy/instl WBS 161	19APR07*	62	17JUL07	133		0.00	32,986.60
191-042	PDR #17,25,3	19APR07*	65	20JUL07	561		0.00	10,512.80
162 - Electrical Leads								
132-000	PDR #17 & 25	30NOV05*	325	22MAR07	645		0.00	40,162.88
132-001	Title I design WBS 162 Coil leads	01DEC05*	130	09JUN06	218		0.00	129,613.39
132-011	Title II design WBS 162 Coil leads	12JUN06	130	14DEC06	218		0.00	133,039.37
132-015	Title III design WBS 162 Coil leads	15DEC06*	60	16MAR07	649		0.00	16,105.48
132-037	Coil Leads Procurement WBS 162	04JUN07*	60	27AUG07	104		0.00	302,334.24
163 - Coil Protection System								
163.001	Title I design WBS 163 Coil protection	03OCT05*	65	11JAN06	905		0.00	39,029.02
163.011	Title II design WBS 163 Coil protection	12JAN06	40	08MAR06	905		0.00	39,029.02
17 - Cryostat and Base Support Structure								
Job:1701-Cryost&Base Sprt Strct Dsn-GETTLEFINGER								
FY03 Actual Cost								
1701-001	Apr-Sept MIE Costs PPPL	01APR03A	54	30SEP03A		100	12,180.00	12,180.00



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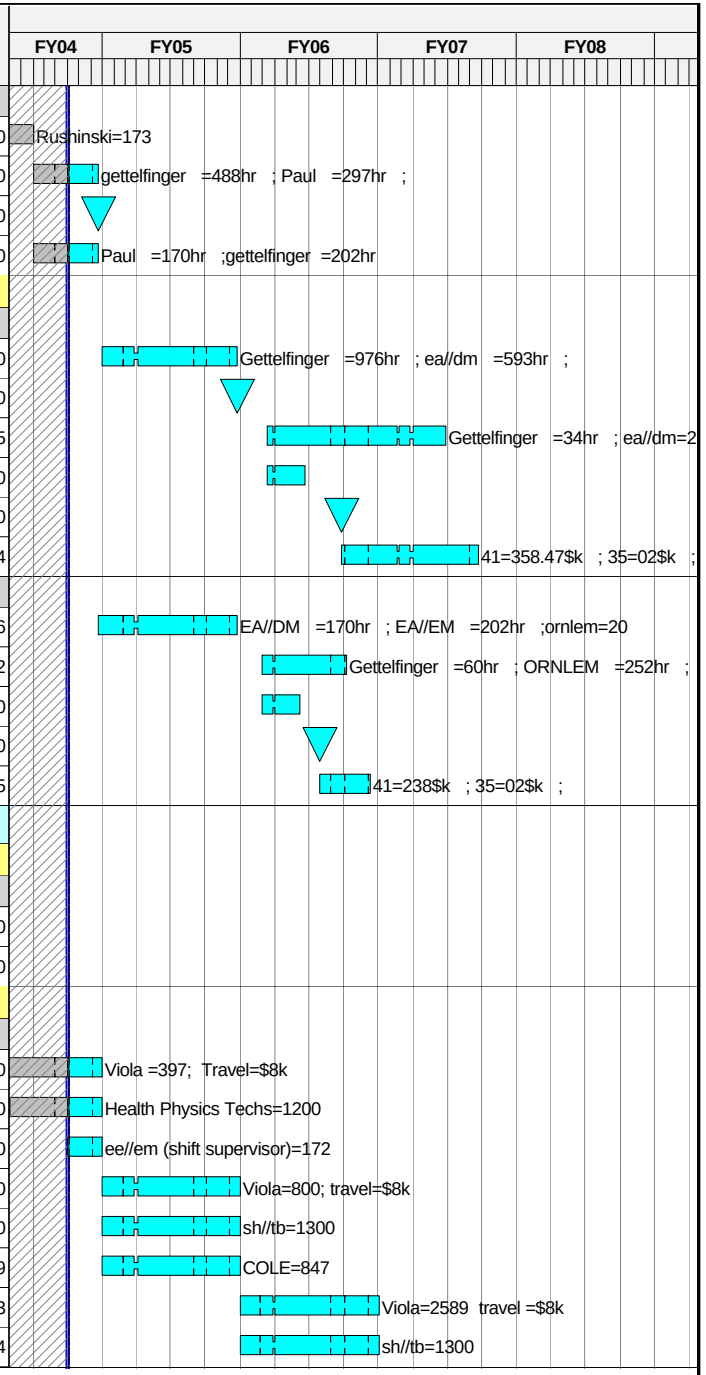
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
151-000	Adv Concep Design Cryostat shell & struct	01DEC03A	103*	31MAR04A		100	0.00	0.00
151-001	Title I design WBS 171 cryostat shell & struct	01APR04A	122*	22SEP04	262	55	60,531.02	110,056.40
151-002	Cryostat & Base Support Struct PDR		0	22SEP04	262		0.00	0.00
161-001	Title I design WBS 172 base support struct	01APR04A	122*	22SEP04	262	20	10,101.40	50,507.00
171 - Cryostat								
151-011	Title II design WBS 171 cryostat shell & struct	01OCT04*	243*	22SEP05	262		0.00	226,216.90
151-012	WBS 17 FDR		0	22SEP05	262		0.00	0.00
151-031	Title III engr	15DEC05	318	28MAR07	641		0.00	30,815.05
151-036.8	Prep Spec, Solicit bids, and Select Vendor	15DEC05*	65	23MAR06	215		0.00	0.00
151-036.9	Award Cryostat Procurement		0	23JUN06*	150		0.00	0.00
151-037	Cryostat Procurement [A/1]	26JUN06	249	22JUN07	150		0.00	483,665.74
172 - Base Support Structure								
161-011	Title II design WBS 172 base support struct	23SEP04	249	22SEP05	262		0.00	54,706.46
161-031	Title III engr WBS 172	01DEC05	150	10JUL06	819		0.00	46,651.32
161-036.8	Prep Spec, Solicit bids, and Select Vendor	01DEC05*	65	09MAR06	215		0.00	0.00
161-036.9	Award Machine Base&supports Procurement		0	01MAY06*	178		0.00	0.00
161-037	Machine Base&supports Procurement [A/1]	02MAY06	90	07SEP06	178		0.00	286,302.65
18 - Field Period Assembly								
Job: 1801-Field Period Assly -CHRZANOWSKI (ORNL)								
FY03 Actual Cost								
1801-001	Apr-Sept MIE Costs PPPL	01APR03A	42	30SEP03A		100	7,750.00	7,750.00
1801-002	Apr-Sept MIE Costs ORNL	01APR03A	42	30SEP03A		100	53,050.00	53,050.00
Job: 1802 - FP Assy Oversight&Support-VIOLA								
Oversight and Supervision								
181.100	PPPL EM LOE FY04	13OCT03A	242*	30SEP04	1,259	LOE	57,369.36	77,947.50
181.200	HP Coverage in the TFTR TC LOE FY04	02FEB04A	171*	30SEP04	1,259	LOE	72,190.32	115,320.00
181.201	D-Site Shift Supervisor LOE FY04	01JUL04*	64*	30SEP04	1,259		0.00	25,920.40
181.110	PPPL EM LOE FY05	01OCT04*	249*	30SEP05	1,010		0.00	146,784.00
181.210	HP Coverage in the TFTR TC LOE FY05	01OCT04*	249*	30SEP05	1,010		0.00	128,440.00
181.310	ORNL EM LOE FY05	01OCT04*	249*	30SEP05	1,010		0.00	119,316.89
181.120	PPPL EM LOE FY06	03OCT05*	250*	02OCT06	760		0.00	451,299.93
181.220	HP Coverage in the TFTR TC LOE FY06	03OCT05*	250*	02OCT06	760		0.00	130,690.04



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

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CD-3 Baseline
ECP-14

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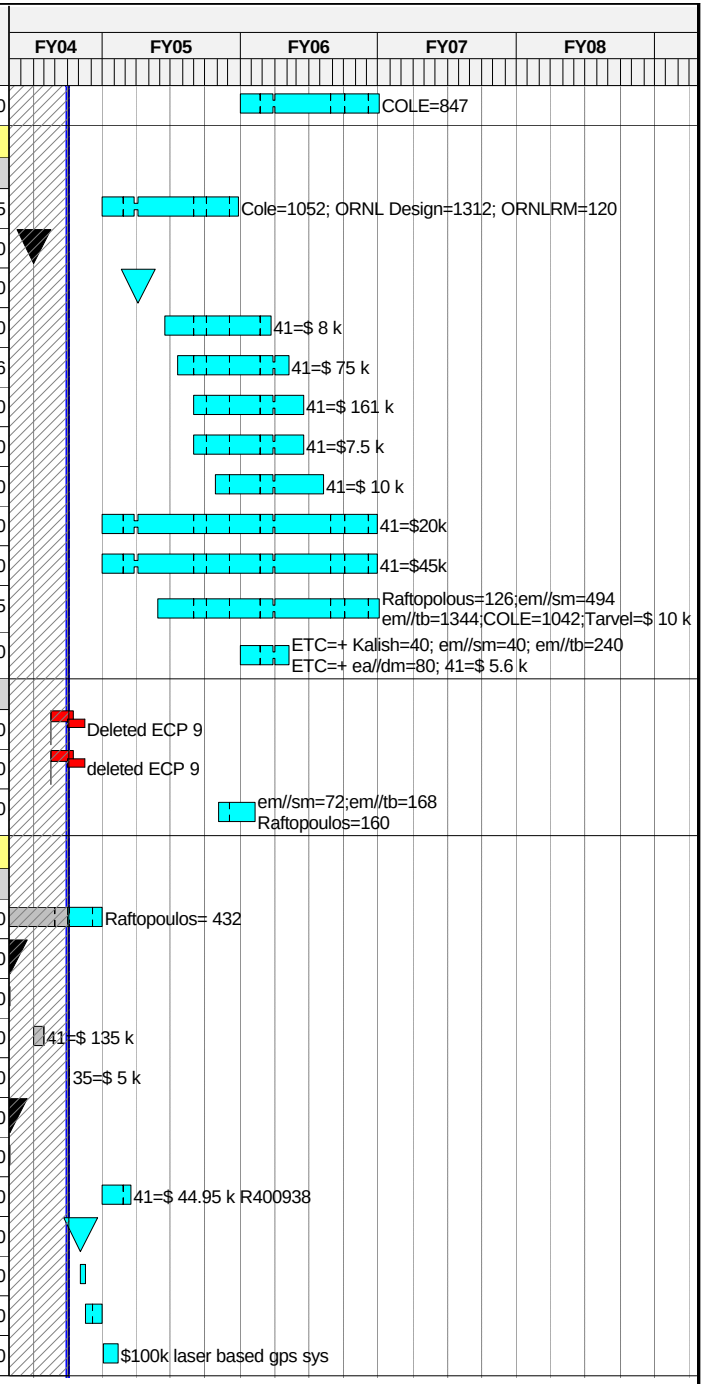
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
181.320	ORNL EM LOE FY06	03OCT05*	250*	02OCT06	760		0.00	122,771.80
Job: 1803- FP Assy Tooling/Constructability-COLE								
Tooling Design & Fabrication								
713A.010	>>>> Design Tooling ECP 9	01OCT04*	247*	28SEP05	1,012	LOE	0.00	354,716.75
713A.010A	FP Assy Tooling Rqmnts&Constructability Peer Rvw		0	31MAR04A			0.00	0.00
713.010B	Tooling & Constructability FDR		0	04JAN05*	313		0.00	0.00
713A.032	Fabricate-TF Coil sub-assy frame/manipulator	18MAR05*	195	22DEC05	331		0.00	10,366.40
713A.030	Fabricate-VV supporting fixture (3)	20APR05*	199	07FEB06	238		0.00	97,311.56
713A.031	Fabricate-Modular Coil sub-assy frame/manip/fixt	03JUN05*	195	16MAR06	270		0.00	209,203.40
713A.033	Fabricate-Full FP support fixture (3)	03JUN05*	195	16MAR06	285		0.00	9,745.50
713A.034	Fabricate-VV port welding fixtures	29JUL05*	195	10MAY06	860		0.00	13,020.00
713A.040	General procurements	01OCT04*	498*	29SEP06	761		0.00	25,970.00
713A.050	Welding tools, materials & equipt	01OCT04*	498*	29SEP06	761		0.00	58,432.50
713A.020	Lab Fab/Assy/Installation	25FEB05*	403*	02OCT06	760		0.00	349,167.95
713A.060	Instl He gas piping from NSTX to D-site tc	03OCT05*	85	08FEB06	925		0.00	41,464.00
Tooling R&D								
713A.011	>>>>> Tooling R&D-Design VV/MCWF Mockups	01JUL04	0		0	10	0.00	0.00
713A.012	>>>> Tooling R&D-Procure VV & MCWF Mockups	01JUL04	0		0		0.00	0.00
713A.013	>>>Tooling R&D-Inspect & assy trails ecp 9 repro	08AUG05*	65	07NOV05	984		0.00	47,820.00
Job: 1804-FP Assy Measurement Sys-RAFTOPOULOS								
Metrology								
740.010	Final Design Measurement systems	19JAN04A	181*	30SEP04	1,259	LOE	44,846.87	69,422.40
740.011	3-D Scanner/Faro Arm FDR		0	30JAN04A			0.00	0.00
740.015	Prepare Requisition 3-D scanner & Romer Arm	30JAN04A	10	30JAN04A			0.00	0.00
740.030	Deliver 3-D Scanner & Romer Arm	01APR04A	10*	30APR04A		100	171,990.00	171,990.00
740.030A	Romer Arm Training	06JUL04A	3*	08JUL04A		100	0.00	0.00
740.031	Metrology Software Review		0	30JAN04A			0.00	0.00
740.032	Prepare Met Software Requisition	30JAN04A	10	30JAN04A			0.00	0.00
740.035	Deliver Metrology Software	01OCT04*	53	16DEC04	1,206		0.00	58,075.40
740.041	FP Assy Laser based GPS Sys Review		0	02AUG04*	1,228		0.00	0.00
740.042	Prepare GPS Sys Requisition	03AUG04	10	16AUG04	1,228		0.00	0.00
740.043	Bid,Evaluate & Award GPS sys	17AUG04	33	01OCT04	1,228		0.00	0.00
740.044	Deliver GPS sys**eliminated	04OCT04	30	12NOV04	1,228		0.00	0.00



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

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CD-3 Baseline
ECP-14

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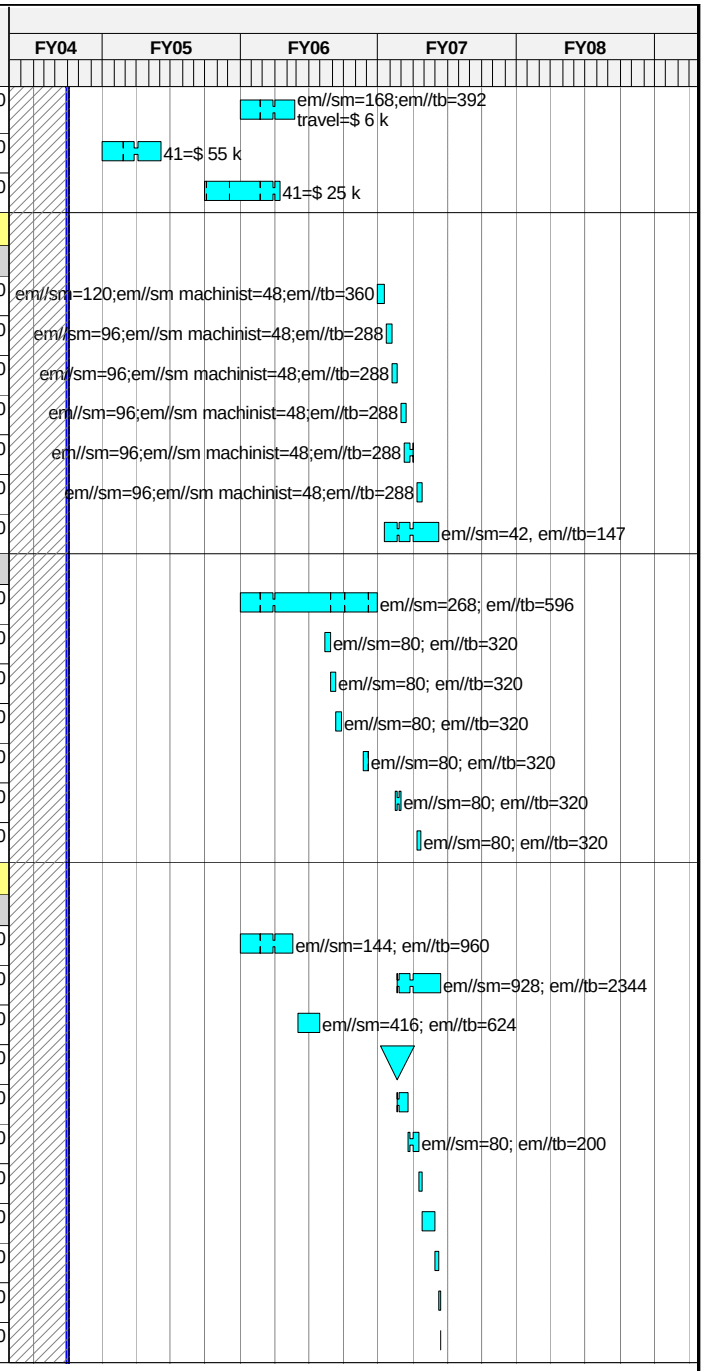
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
740.020	Faculity Prep	03OCT05*	95	22FEB06	301		0.00	60,384.40
740.045	Purchase- second Faro Arm (was under WBS 14)	01OCT04*	102	04MAR05	1,157		0.00	71,060.00
740.050	Purchase- targets [A/9]	01JUL05*	130	12JAN06	944		0.00	32,300.00
1808 - TF/Mod Coil Sub-Assembly-CHRZANOWSKI								
Modular Coil Sub-assembly								
184-200	Mount/align right mod coil in fixture-Period #1	28SEP06	15	18OCT06	134		0.00	50,576.80
184-205	Mount/align left mod coil in fixture-Period #1	23OCT06	12	07NOV06	112		0.00	41,990.40
184-210	Mount/align right mod coil in fixture-Period #2	06NOV06	12	21NOV06	132		0.00	41,990.40
184-215	Mount/align left mod coil in fixture-Period #2	30NOV06	12	15DEC06	107		0.00	41,990.40
184-220	Mount/align right mod coil in fixture-Period #3	12DEC06	12	04JAN07	129		0.00	41,990.40
184-225	Mount/align left mod coil in fixture-Period #3	11JAN07	12	26JAN07	104		0.00	41,990.40
P1-000	PDR # 19 MCWF fitup	19OCT06	94	09MAR07	654		0.00	17,696.70
TF Coil Sub-assembly								
722.010	Receive/Inspect TF & PF Coils	03OCT05*	249*	29SEP06	761		0.00	77,365.60
184-100	Assemble 3 TF coils&structure -Right -Period #1	15MAY06	10	26MAY06	236		0.00	34,504.00
184-105	Assemble 3 TF coils&structure -Left -Period #1	30MAY06	10	12JUN06	236		0.00	34,504.00
184-110	Assemble 3 TF coils&structure -Right -Period #2	13JUN06	10	26JUN06	237		0.00	34,504.00
184-115	Assemble 3 TF coils&structure -Left -Period #2	22AUG06	10	05SEP06	198		0.00	34,504.00
184-120	Assemble 3 TF coils&structure -Right -Period #3	14NOV06	10	29NOV06	150		0.00	37,168.00
184-125	Assemble 3 TF coils&structure -Left -Period #3	10JAN07	10	23JAN07	127		0.00	37,168.00
Job:1810 - Field Period Assembly-CHRZANOWSKI								
Period 1								
721.010	Area preparations	03OCT05*	90	15FEB06	232		0.00	92,942.40
725.001	Assemble Field Period #1 (smry tsk)	20NOV06	75*	14MAR07	112		0.00	312,816.80
P1-180	Rec'v VV,Attach clng tubes &Insul to 1st Period	06MAR06	39	27APR06	220		0.00	95,908.80
P1-180.9	Begin Assembly of First Field Period	20NOV06	0		112		0.00	0.00
P1-181	Assemble 1st. Field Period - coils/VV 2 shift	20NOV06	19	18DEC06	112		0.00	0.00
P1-191	>>>> Position&weld port assemblies (Add'l ECP 8)	19DEC06	15	16JAN07	112		0.00	26,788.00
P1-201	Leak chck & Bakeout vessel to 150 degrees C	17JAN07	7	25JAN07	112		0.00	0.00
P1-211	vacuum leak check & Instl Trim coil	26JAN07	25	01MAR07	112		0.00	0.00
P1-221	Prepare field period for shipment	02MAR07	5	08MAR07	112		0.00	0.00
P1-231	Ship 1st. Field period	09MAR07	3	13MAR07	112		0.00	0.00
P1-241	Field period 1 ready for installation	14MAR07	1	14MAR07	112		0.00	0.00



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

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CD-3 Baseline
ECP-14

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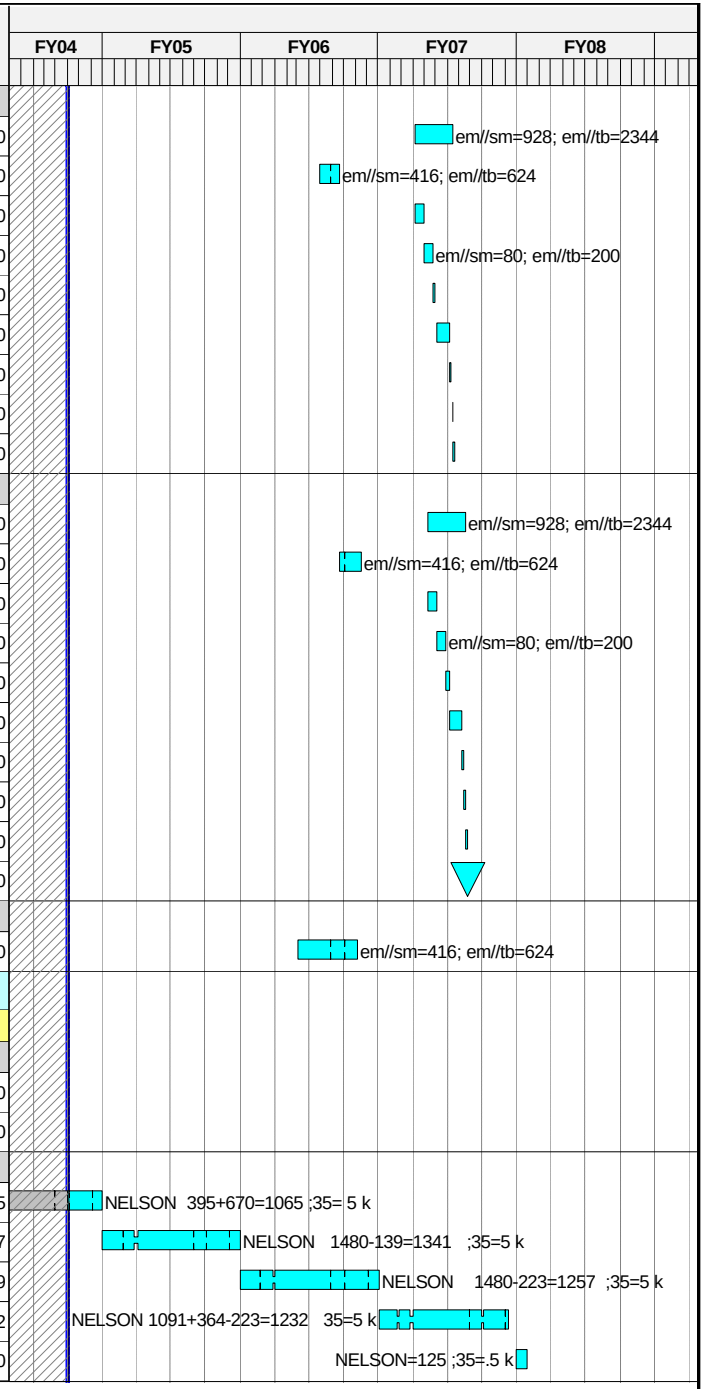
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
Period 2								
725.101	Assemble Field Period #2 (smry tsk	08JAN07	73*	18APR07	107		0.00	312,816.80
P2-180	Rec'v VV,Attach clng tubes &Insul to 2nd Period	28APR06	39	22JUN06	220		0.00	95,908.80
P2-181	Assemble 2nd. Field Period- coils/ VV 2 shift	08JAN07	18	31JAN07	107		0.00	0.00
P2-191	>>> Position&weld port assemblies (Add'l ECP 8)	01FEB07	15	21FEB07	107		0.00	26,788.00
P2-201	Leak chck & Bakeout vessel to 150 degrees C	22FEB07	7	02MAR07	107		0.00	0.00
P2-211	vacuum leak check & Instl Trim coil	05MAR07	25	06APR07	107		0.00	0.00
P2-221	Prepare field period for shipment	09APR07	5	13APR07	107		0.00	0.00
P2-231	Ship 2nd. Field period	16APR07	3	18APR07	107		0.00	0.00
P2-241	Field Period 2 ready for installation	19APR07	1	19APR07	107		0.00	0.00
Period 3								
725.201	Assemble Field Period #3 (smry tsk)	09FEB07	73*	22MAY07	104		0.00	312,816.80
P3-180	Rec'v VV,Attach clng tubes &Insul to 3rd Period	23JUN06*	39	17AUG06	220		0.00	95,908.80
P3-181	Assemble 3rd. Field Period - coils/ VV 2 shift	09FEB07	18	06MAR07	104		0.00	0.00
P3-191	>>> Position&weld port assemblies (Add'l ECP 8)	07MAR07	15	27MAR07	104		0.00	26,788.00
P3-201	Leak chck & Bakeout vessel to 150 degrees C6	28MAR07	7	05APR07	104		0.00	0.00
P3-211	vacuum leak check & Instl Trim coil	06APR07	25	10MAY07	104		0.00	0.00
P3-221	Prepare field period for shipment	11MAY07	5	17MAY07	104		0.00	0.00
P3-231	Ship 3rd. Field Period	18MAY07	3	22MAY07	104		0.00	0.00
P3-241	3rd. Period ready for installation	23MAY07	1	23MAY07	104		0.00	0.00
P3-241.1	Last Field Period Assembled		0	23MAY07	104		0.00	0.00
P1-180A	cd-4 350c increment	06MAR06	109	07AUG06	799		0.00	38,544.00
19 - Stellarator Core Management and Integration								
Job: 1901 - Stellarator Core Mngtt&Integr-NELSON								
FY03 Actual Cost								
1901-002	Apr-Sept MIE Costs ORNL	01APR03A	248	30SEP03A		100	187,090.00	187,090.00
1901-003	Apr-Sept MIE Costs PPPL	01APR03A	248	30SEP03A		100	67,070.00	67,070.00
191 - Stellarator Core Management & Oversight								
191-4	LOE-FY04 WBS 191-4 Management Activities	01OCT03A	250*	30SEP04	1,259	LOE	108,400.69	145,699.85
0191-5	LOE-FY05 WBS 191	01OCT04*	249*	30SEP05	1,010	LOE	0.00	197,596.67
0191-6	LOE-FY06 WBS 191	03OCT05*	250*	02OCT06	526	LOE	0.00	190,877.89
0191-6X	LOE-FY07 WBS 191	03OCT06*	234	10SEP07	526	LOE	0.00	199,716.12
0191-91	LOE-FY06 WBS 191 1 mo SO	01OCT07*	22	30OCT07	346	LOE	0.00	20,250.00



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

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CD-3 Baseline
ECP-14

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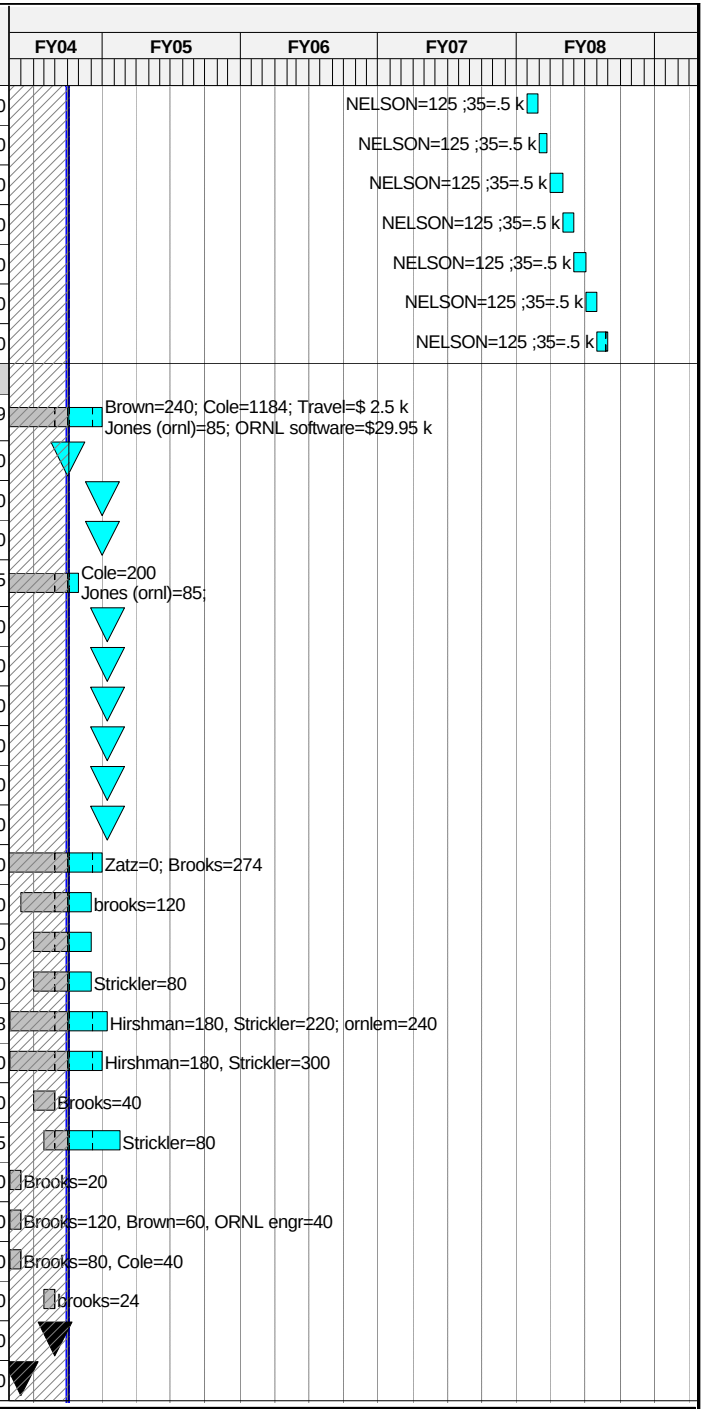
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
0191-92	LOE-FY06 WBS 191 1 mo SO	31OCT07*	21	28NOV07	346	LOE	0.00	20,250.00
0191-93	LOE-FY06 WBS 191 1 mo SO	03DEC07*	15	21DEC07	346	LOE	0.00	20,250.00
0191-94	LOE-FY06 WBS 191 1 mo SO	01JAN08*	22	30JAN08	346	LOE	0.00	20,250.00
0191-95	LOE-FY06 WBS 191 1 mo SO	31JAN08*	22	29FEB08	346	LOE	0.00	20,250.00
0191-96	LOE-FY06 WBS 191 1 mo SO	03MAR08*	22	01APR08	346	LOE	0.00	20,250.00
0191-97	LOE-FY06 WBS 191 1 mo SO	02APR08*	21	30APR08	346	LOE	0.00	20,250.00
0191-98	LOE-FY06 WBS 191 1 mo SO	01MAY08*	21	30MAY08	346	LOE	0.00	20,250.00
192 - Stellarator Core Integration & Analysis								
192-4	LOE-FY05 WBS 192-4 Design Integration Activities	01OCT03A	250*	30SEP04	1,259	LOE	176,594.43	237,358.09
192-4.1	Self consistent models/dwgs f/ Mod Coil & VV FDR		0	30JUN04*	1,323	100	0.00	0.00
192-4.2	Self consistent models/dwgs Conv Coils&sprt strc		0	30SEP04*	1,259		0.00	0.00
192-4.4	Stellarator Core Assy dwgs & assy sequence		0	30SEP04*	1,259		0.00	0.00
192-5	LOE-FY05 WBS 192-5 VV & Coil Services Integr	01OCT03A	207*	30JUL04	1,302	LOE	32,972.31	36,676.65
192-5.1	\VV Helium Line Models		0	15OCT04*	1,248		0.00	0.00
192-5.2	Mod Coil LN2 Lines Layouts		0	15OCT04*	1,248		0.00	0.00
192-5.3	Mod Coil Leads Layouts		0	15OCT04*	1,248		0.00	0.00
192-5.4	PF Coil Leads & Services Layouts		0	15OCT04*	1,248		0.00	0.00
192-5.5	TF Coil leads & Services Layouts		0	15OCT04*	1,248		0.00	0.00
192-5.6	External Trim Coil Leads /services Layouts		0	15OCT04*	1,248		0.00	0.00
192-6	LOE-FY05 WBS 192-6 Integrated Analysis	01OCT03A	250*	30SEP04	1,259	LOE	32,759.66	44,031.80
192-6.01	Document coil tolerance and trim coil requiremen	01MAR04A	129*	30AUG04	1,305	95	18,319.80	19,284.00
192-6.011	Coil winding center determination Increase	01APR04A	106*	30AUG04	1,305	80	0.00	0.00
192-6.02	Check critical coil tolerance calculations.	01APR04A	106*	30AUG04	1,305	50	5,147.60	10,295.20
192-6.03	Method for determining current center	01FEB04A	182*	15OCT04	1,272	80	59,445.42	82,538.28
192-6.06	Coil positions to minimize islands.	02FEB04A	171*	30SEP04	1,283	70	43,239.84	61,771.20
192-6.07	Time constant calcs using SPARK	01APR04A	42*	28MAY04A		100	6,428.00	6,428.00
192-6.08	Indep check time constant calcs using EDDYCUFF	01MAY04A	138*	15NOV04	1,251		3,198.43	10,521.15
192-6.09	Revised VV geometry	02FEB04A	6	27FEB04A		100	3,214.00	3,214.00
192-6.10	MC interf during assly, geometry, assly trajecto	02FEB04A	31	27FEB04A		100	34,073.60	34,073.60
192-6.11	Range of motion reqts for Assly MC fixture.	02FEB04A	20	27FEB04A		100	18,003.60	18,003.60
192-6.12	Final Check & Verification	01MAY04A	6	28MAY04A		100	3,856.80	3,856.80
192-6.5	Structural Design criteria		0	28MAY04A		100	0.00	0.00
192-6.2	Final Mod Coil Trajectories		0	27FEB04A			0.00	0.00



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

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CD-3 Baseline
ECP-14

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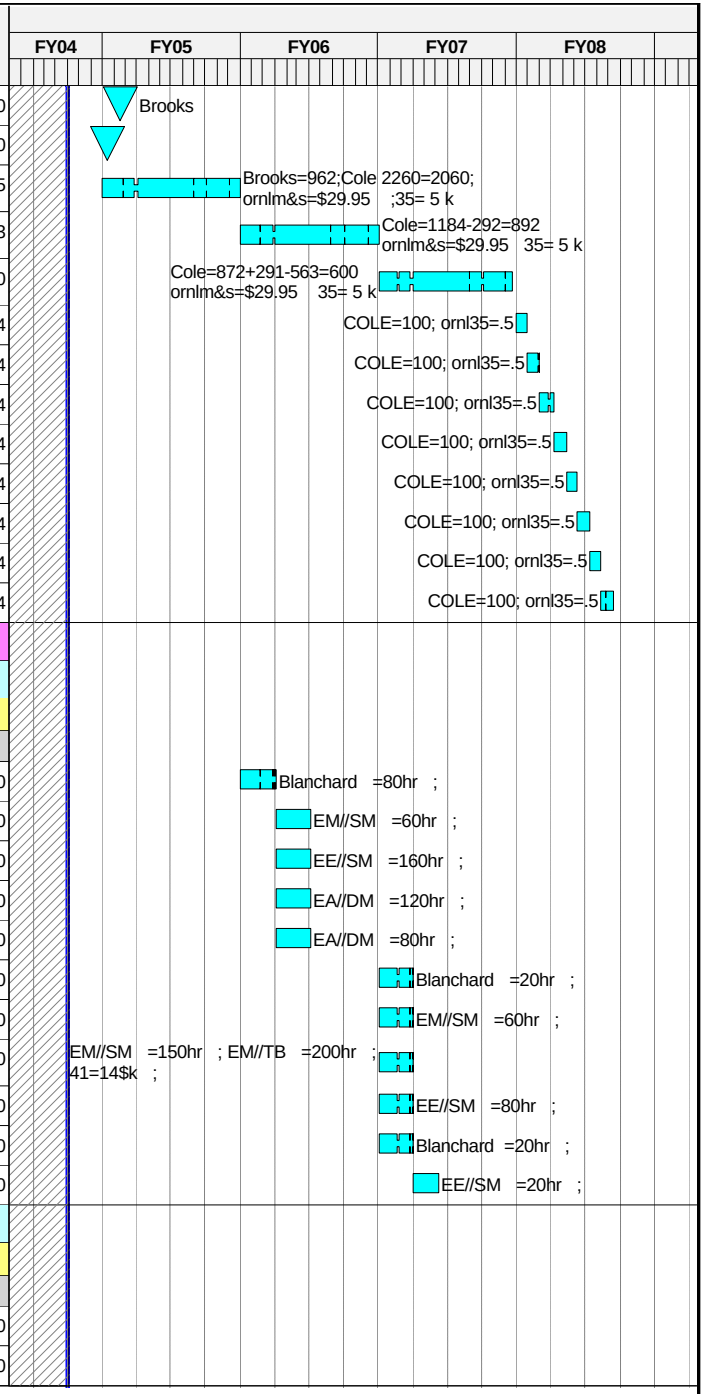
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
192-6.6	Stellarator Core Materials Database		0	15NOV04*	1,227		0.00	0.00
192-6.3	Best fit for mod coil assy on winding measuremen		0	15OCT04*	1,248		0.00	0.00
0192-5	LOE-FY05 WBS 192	01OCT04*	249*	30SEP05	1,010	LOE	0.00	514,578.55
0192-6	LOE-FY06 WBS 192	03OCT05*	250	02OCT06	518	LOE	0.00	165,946.13
0192-6X	LOE-FY06 WBS 192	03OCT06*	242	20SEP07	518	LOE	0.00	135,038.20
0192-91	LOE-F1 mo SO	01OCT07*	22	30OCT07	338	LOE	0.00	16,018.04
0192-92	LOE-F1 mo SO	31OCT07*	22	03DEC07	338	LOE	0.00	16,018.04
0192-93	LOE-F1 mo SO	04DEC07*	22	10JAN08	338	LOE	0.00	16,018.04
0192-94	LOE-F1 mo SO	11JAN08*	22	11FEB08	338	LOE	0.00	16,018.04
0192-95	LOE-F1 mo SO	12FEB08*	22	12MAR08	338	LOE	0.00	16,018.04
0192-96	LOE-F1 mo SO	13MAR08*	22	11APR08	338	LOE	0.00	16,018.04
0192-97	LOE-F1 mo SO	14APR08*	21	12MAY08	338	LOE	0.00	16,018.04
0192-98	LOE-F1 mo SO	13MAY08*	21	11JUN08	338	LOE	0.00	16,018.04
2 - Plasma Heating, Fueling & Vac Systems								
21 - Fueling Systems								
21-10	Eng. Work Planning and Design	03OCT05*	65	05JAN06	334		0.00	13,512.00
21-15	Design Gas Handling Hardware	06JAN06	65	06APR06	334		0.00	6,606.00
21-20	Design PLC Controls	06JAN06*	65	06APR06	334		0.00	17,968.00
21-25	Electrical Drafting for pumping system	06JAN06*	65	06APR06	334		0.00	13,200.00
21-30	Drafting	06JAN06*	65	06APR06	334		0.00	8,800.00
21-35	Eng. Work Planning and Design during fab	02OCT06*	65	04JAN07	210		0.00	3,638.00
21-40	Fabrication/Install Hardware	02OCT06*	65	04JAN07	210		0.00	7,116.00
21-45	Fabrication/installation	02OCT06*	65	04JAN07	210		0.00	53,477.20
21-55	Install PLC Controls	02OCT06*	65	04JAN07	210		0.00	9,672.00
21-60	Integrated Systems Testing/Eng	02OCT06*	65	04JAN07	210		0.00	3,638.00
21-65	Integrated Systems Testing/Tech Support	05JAN07*	45	08MAR07	210		0.00	2,418.00
22 - Torus Vacuum Pumping Systems								
Job: 2001-VPS,Gas& Cond Sys Oversight-BLANCHARD								
FY03 Actual Cost								
2001-001	Apr-May MIE Cost	01APR03A	43*	30MAY03A		100	35,300.00	35,300.00
2001-100	PDR Support	01JUN03A	164*	30SEP03A		LOE	24,896.00	24,896.00



Run Date 10SEP04 12:24

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

NCSX
CD-3 Baseline
ECP-14

Sheet 34 of 52

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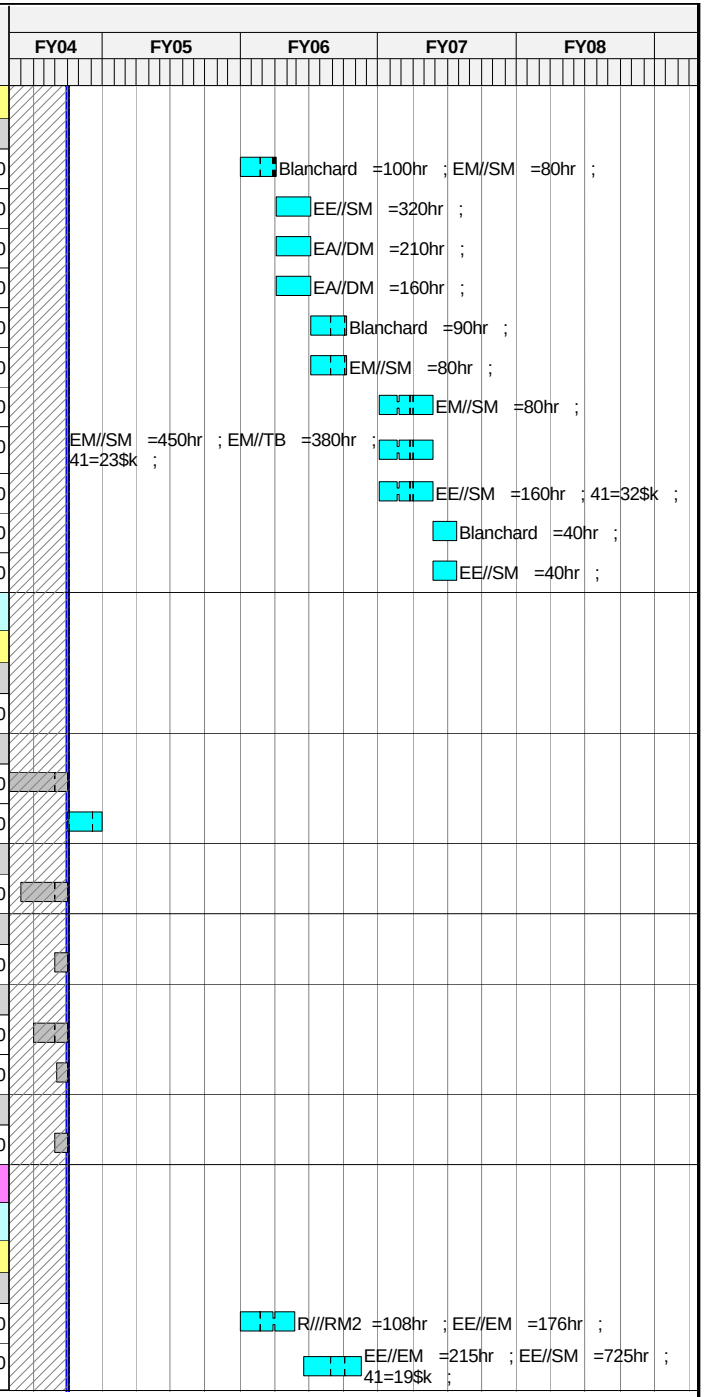
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
22-25	Eng. Work Planning and Design	03OCT05*	65	05JAN06	234		0.00	25,698.00
22-30	Design PLC based control system	06JAN06*	65	06APR06	299		0.00	35,936.00
22-35	Electrical Drafting for pumping system	06JAN06*	65	06APR06	299		0.00	23,100.00
22-40	Drafting	06JAN06*	65	06APR06	234		0.00	17,600.00
22-45	Eng. Work Planning and Design during fab	07APR06*	65	10JUL06	234		0.00	15,201.00
22-50	Perform maint. & repair of pmpg sys	07APR06*	65	10JUL06	234		0.00	8,808.00
22-55	Repair and Calibration of vac instrumentation	02OCT06*	100	22FEB07	175		0.00	9,488.00
22-60	Fabrication/installation	02OCT06*	100	22FEB07	175		0.00	117,336.00
22-65	Fab PLC conrols	02OCT06*	100	22FEB07	175		0.00	62,608.00
22-70	Integrated Systems Testing/Eng	23FEB07*	45	26APR07	175		0.00	7,276.00
22-75	Integrated Systems Testing/Tech Support	23FEB07*	45	26APR07	175		0.00	4,836.00
25 - Neutral Beam Injection System								
Job: 2501 - Neutral Beam Refurbishment-STEVENSON								
FY03 Actual Cost								
2501-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A		100	146,310.00	146,310.00
FY04 Work Plan								
2501-014	FY04 work accomplished	03NOV03A	227	30JUN04A			81,371.26	81,853.50
2501-014.1	FY04 work closeout *TBD*	01JUL04	64*	30SEP04	1,259		0.00	49,247.90
RefurbishmentCD-3 deleted scope**								
25-099	FY04 work accomplished	01MAR04A	846*	30JUN04A			21,771.60	44,652.60
Re-Install BeamlineCD-3 deleted scope**								
25-190.1	33) Fabr BL alignment measur fixture,	01JUN04A	699*	30JUN04A			2,076.05	2,586.20
Re-Install CablesCD-3 deleted scope**								
25-225.1	Cabling-Design & WP Procedures	01APR04A	872*	30JUN04A			4,845.00	4,845.00
25-230.1	Cabling-Fabr and Install new Junction Box	02JUN04A	190	30JUN04A			736.80	736.80
Beamline ConnectionsCD-3 deleted scope**								
25-310.1	Drafting Labor Support	01JUN04A	298	30JUN04A			2,524.80	2,524.80
3 - Diagnostics								
31 - Magnetic Diagnostics								
310-010	Design Mag Diagnostics	03OCT05*	94	21FEB06	237		0.00	44,460.00
310-015	Fabricate & Install Magnetics on Vessel	17MAR06	108	17AUG06	220		0.00	140,205.50



Run Date 10SEP04 12:25

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

NCSX
CD-3 Baseline
ECP-14

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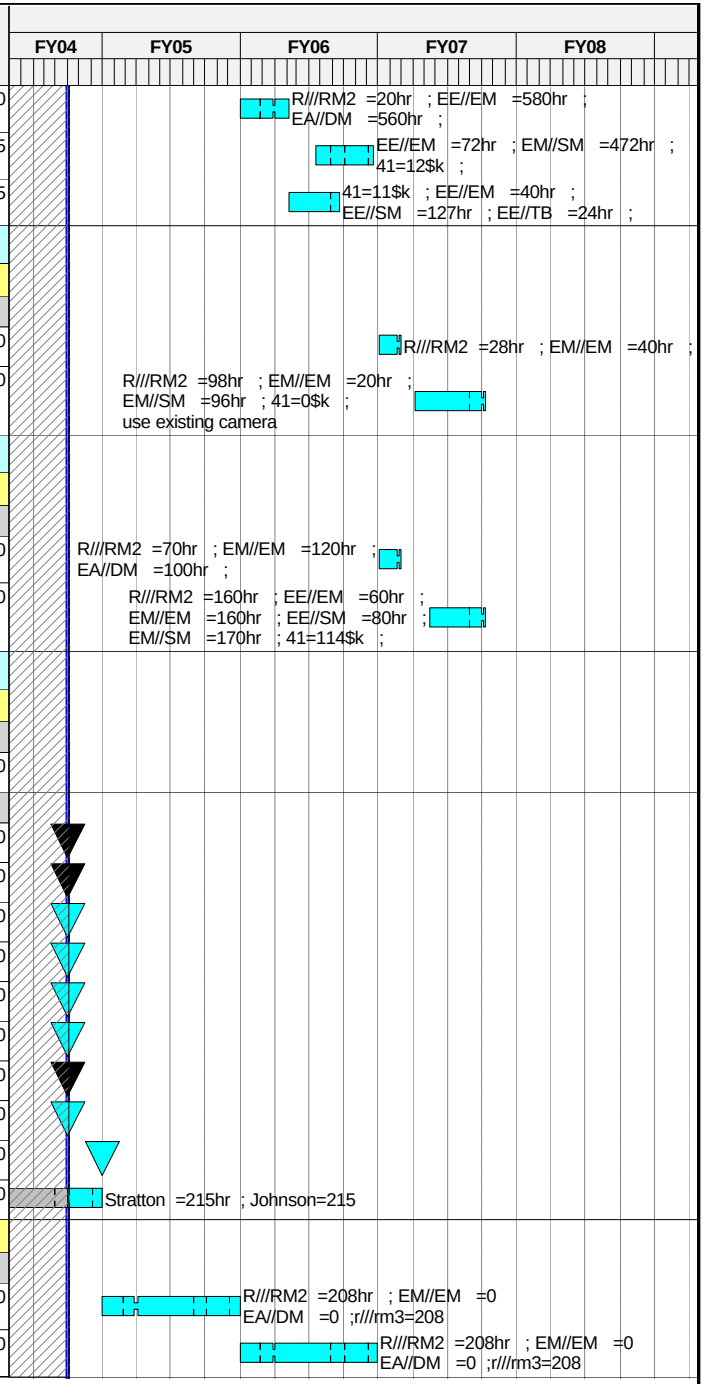
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
310-020	Design other ex-vessel sensors	03OCT05*	85	08FEB06	206		0.00	156,050.00
310-025	Fab & Install other ex-vessel sensors on coils	21APR06*	105	19SEP06	155		0.00	78,406.05
310-030	Design & FabMagnetic integrators	09FEB06*	94	21JUN06	217		0.00	36,491.65
36 - Edge and Divertor Diagnostics								
361-001	Design Visible Camera sys	02OCT06*	40	28NOV06	140		0.00	11,949.20
361-015	Fab/Assy/Installation Visible Camera	09JAN07*	130	11JUL07	117		0.00	31,379.80
38 - Electron Beam (EB) Mapping								
380-010	Designe-Beam Probe,Fluor. Screen	02OCT06*	40	28NOV06	168		0.00	45,361.00
380-015	Fab & Install Beam probe	16FEB07*	102	11JUL07	117		0.00	249,952.00
39 - Diagnostics Integration								
Job: 3901 - Diagnostics sys Integration-JOHNSON								
FY03 Actual Cost								
390-001	LOE Support FY03	01APR03A	151*	30SEP03A		100	155,450.00	155,450.00
390-100	Finalize VV ports (number,size,locations)		0	30JUN04A		100	0.00	0.00
390-110	Resolve port interferences.Final port config		0	30JUN04A		100	0.00	0.00
390-120	Update port map&revise diag port assignments		0	30JUN04*	1,323	90	0.00	0.00
390-130	Rvw status of existing ICD's w/VV & Mod Coils		0	30JUN04*	1,323	100	0.00	0.00
390-140	Write ICD's-Define external space for diagnostic		0	30JUN04*	1,323	50	0.00	0.00
390-150	Write ICD's-Define space f/racks in cntrl rm		0	30JUN04*	1,323	50	0.00	0.00
390-160	Start recruiting diag team at HTPD conference		0	30JUN04A		100	0.00	0.00
390-170	Develop space envelopes for SXR		0	30JUN04*	1,323	70	0.00	0.00
390-180	Hold CDR's co-wound mag sensors&ext saddle		0	30SEP04*	1,259		0.00	0.00
390-010	LOE Support FY04	01OCT03A	250*	30SEP04	1,259	LOE	58,049.48	78,023.50
390-015	LOE Support FY05 **reduced scope	01OCT04*	249*	30SEP05	1,010		0.00	66,038.70
390-020	LOE Support FY06 **reduced scope	03OCT05*	249*	29SEP06	761		0.00	67,171.50



Run Date 10SEP04 12:25

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC14

NCSX
CD-3 Baseline
ECP-14

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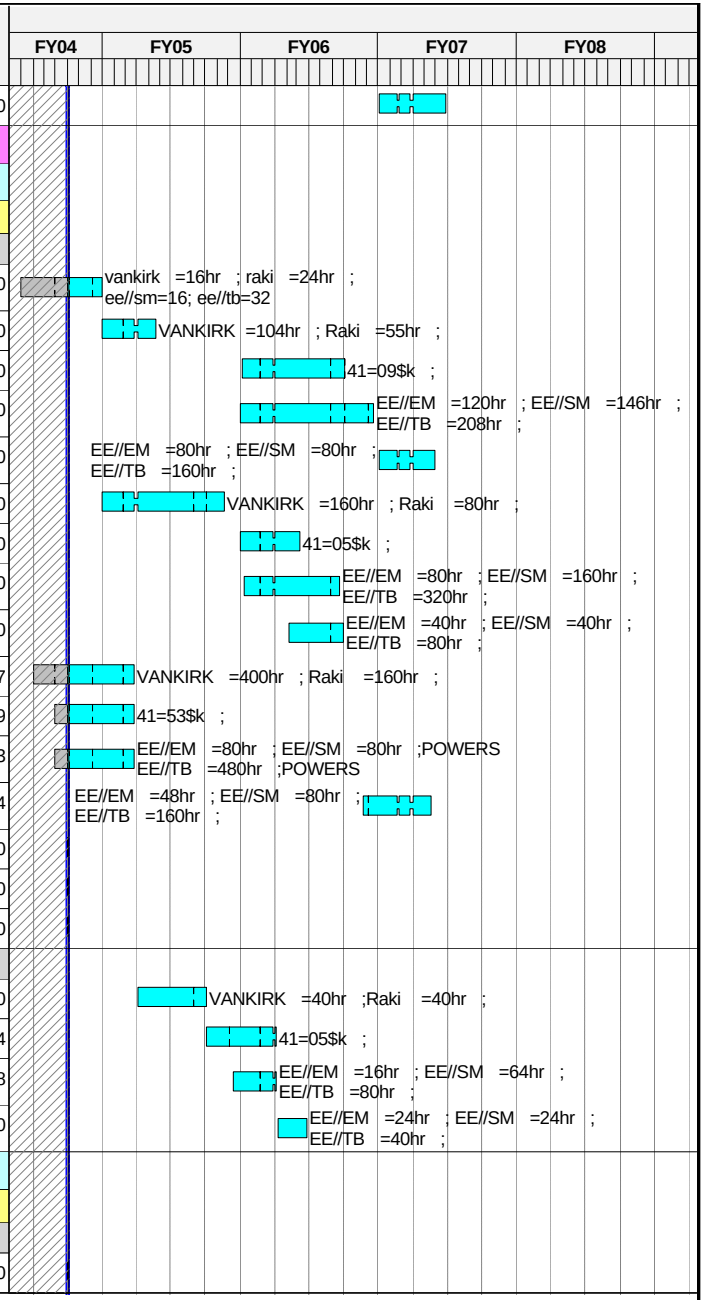
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
390-025	LOE Support FY07 ** eliminated as part of MIE	02OCT06*	122*	30MAR07	639		0.00	0.00
4 - Electrical Power Systems								
41 - AC Power								
Job: 4101 - AC Power-RAMAKRISHNAN								
411 - Auxiliary AC Power Systems								
4101-100	Prepare Preliminary One line diagram	01MAR04A	151*	30SEP04	1,259	90	8,496.72	9,440.80
411-1-2	fEx-Test Cell AC Power Dist-Dsn	01OCT04*	92*	18FEB05	476		0.00	19,761.90
411-1-4	Ex-Test Cell AC Power Dist-Procure	07OCT05*	185*	06JUL06	370		0.00	11,745.00
411-1-6	Ex-Test Cell AC Power Dist-Install	03OCT05*	240	18SEP06	319		0.00	51,769.40
411-1-8	Ex-Test Cell AC Power Dist-Commission	02OCT06*	100	28FEB07	210		0.00	46,568.00
411-2-2	Grounding-Dsn	01OCT04*	220*	19AUG05	416		0.00	29,688.00
411-2-4	Grounding-Procure	03OCT05*	107	10MAR06	452		0.00	6,525.00
411-2-6	Grounding-Install	13OCT05*	172	22JUN06	379		0.00	55,912.00
411-2-8	Grounding-Commission	10FEB06*	100	30JUN06	373		0.00	17,128.00
411-3-2	Test Cell AC Power Distr-Dsn	01APR04A	186*	23DEC04	750	95	63,425.10	66,763.27
411-3-4	Test Cell AC Power Distr-Procure(pnls & xfrmrs)	01JUN04A	144*	23DEC04	750	80	54,683.75	68,354.69
411-3-6	Test Cell AC Power Distr-Install	01JUN04A	144*	23DEC04	750	50	28,820.68	57,641.33
411-3-8	Test Cell AC Power Distr-Commission	21AUG06*	121	16FEB07	218		0.00	30,926.44
411-4-2	Standby Power for Cryo Sys -Dsn	01JUL04	0	30JUN04	1,323		0.00	0.00
411-4-4	Standby Power for Cryo Sys -Procure	01JUL04	0	30JUN04	1,323		0.00	0.00
411-4-6	Standby Power for Cryo Sys -Install	01JUL04	0	30JUN04	1,323		0.00	0.00
412 - Experimental AC Power Systems								
412-1-2	D-site Pulsed AC Power Distr-Dsn	04JAN05*	128	01JUL05	411		0.00	10,520.00
412-1-4	D-site Pulsed AC Power Distr-Procure	05JUL05	125	06JAN06	411		0.00	6,492.24
412-1-6	D-site Pulsed AC Power Distr-Install	14SEP05	75	06JAN06	467		0.00	15,996.88
412-1-8	D-site Pulsed AC Power Distr-Commission	09JAN06	56	27MAR06	411		0.00	9,643.20
42 - AC/DC Converters								
422 - D-Site AC/DC Converters								
422-1-8	Transrex power supplies Reactivation	01JUL04	0	30JUN04	1,323		0.00	0.00



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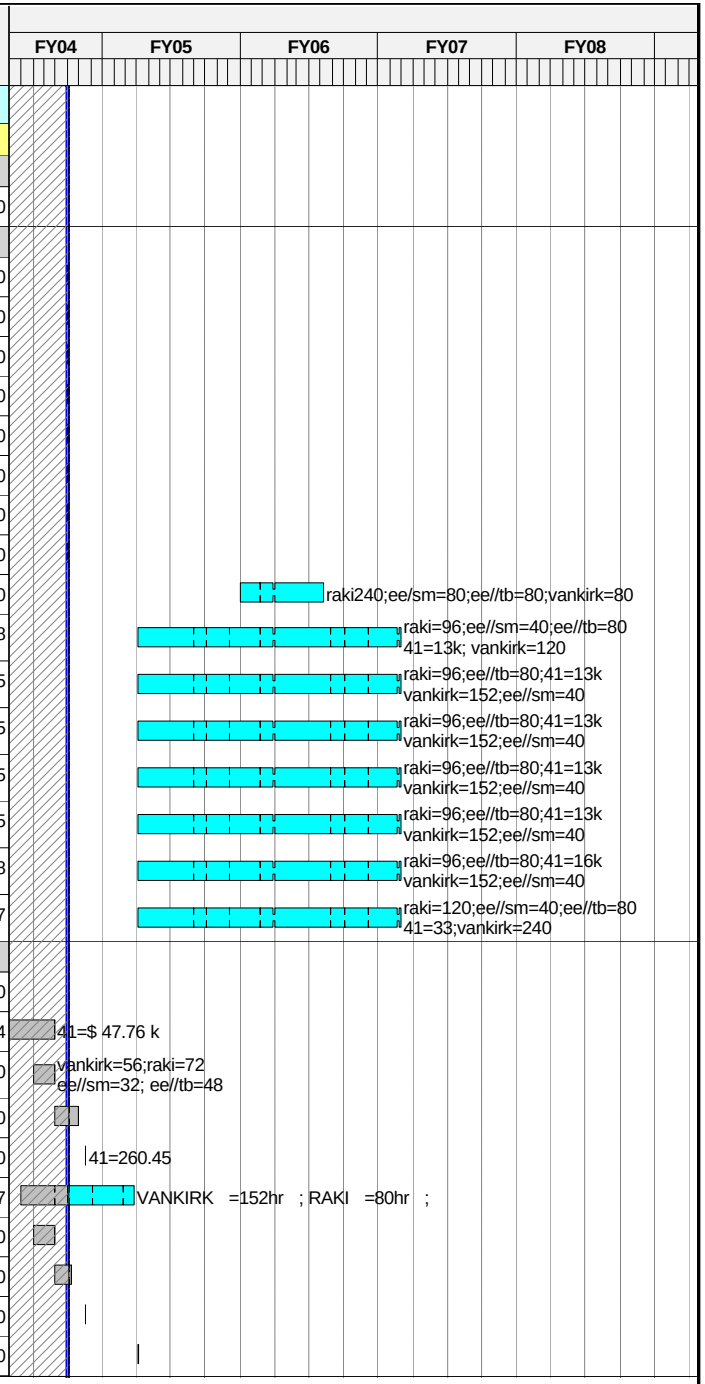
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
43 - DC Systems								
Job: 4301 - DC Systems-RAMAKRISHNAN								
FY03 Actual Cost								
4301-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A		100	2,390.00	2,390.00
431 - C-Site DC Systems								
4301-100	Prel Design link box & physical details,location	01JUL04	0	30JUN04	1,323		0.00	0.00
4301-104	clear EF/OH bldg of stored hardware	01JUL04	0	30JUN04	1,323		0.00	0.00
431-1-2	Coil DC Cabling to link box (PCTB)-Dsn	01JUL04	0	30JUN04	1,323		0.00	0.00
431-1-4	Coil DC Cabling to link box(PCTB)-Procure	01JUL04	0	30JUN04	1,323		0.00	0.00
431-1-6	Coil DC Cabling to (PCTB)-Install	01JUL04	0	30JUN04	1,323		0.00	0.00
431-2-2	DC Cabling to Coils in TC-Dsn	01JUL04	0	30JUN04	1,323		0.00	0.00
431-2-4	DC Cabling to Coils in TC-Procure	01JUL04	0	30JUN04	1,323		0.00	0.00
431-2-6	DC Cabling to Coils in TC-Install	01JUL04	0	30JUN04	1,323		0.00	0.00
431-C-105	MG bus changes	03OCT05*	149	09MAY06	861		0.00	61,920.00
431-C-110	Robicon Supply R20 Design & Install	04JAN05*	483*	01DEC06	718		0.00	56,109.68
431-C-115	Robicon Supply R10 Design & Install	04JAN05*	483*	01DEC06	718		0.00	59,629.85
431-C-120	Robicon Supply R5/1 Design & Install	04JAN05*	483*	01DEC06	718		0.00	59,629.85
431-C-125	Robicon Supply R5/2 Design & Install	04JAN05*	483*	01DEC06	718		0.00	59,629.85
431-C-130	Robicon Supply R25/3 Design & Install	04JAN05*	483*	01DEC06	718		0.00	59,629.85
431-C-135	Robicon Supply R5/4 Design & Install	04JAN05*	483*	01DEC06	718		0.00	63,541.98
431-C-139	UCLA Supply Design & Install	04JAN05*	483*	01DEC06	718		0.00	99,172.57
432 - D to C-Site DC Systems								
432-100	Prepare Tower SOW and IP for BOA design	03NOV03A	10*	26NOV03A		100	6,141.60	6,141.60
432-105	BOA design tower supports	12DEC03A	114*	28MAY04A		100	60,846.24	60,846.24
432-110	Prep SOW and Requisition for tower installation	01APR04A	42*	28MAY04A		100	23,812.00	23,812.00
432-115	Bid & Award Tower& external trays Installation	01JUN04A	42*	30JUL04A		100	0.00	0.00
432-120	Install Tower Supports &external trays CANCELLED	20AUG04A	76*	20AUG04A			331,813.30	331,813.30
432-1-2	DC Cabling-Dsn	01MAR04A	209*	23DEC04	1,201	75	21,196.48	28,261.97
432-1-4.0	Prepare SOW & Requisition for 1000MCM 5kv	01APR04A	30	28MAY04A		100	0.00	0.00
432-1-4.1	Bid & Award - Cable	01JUN04A	29*	12JUL04A		95	0.00	0.00
432-1-4.2	Cable Delivery CANCELLED	20AUG04A	0	20AUG04A			0.00	0.00
432-1-4.4	Prepare SOW & Requisition for Cable Installation	04JAN05	0	23DEC04	1,201		0.00	0.00



Run Date 10SEP04 12:25

CD-3 Proposed Baseline
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EC14

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CD-3 Baseline
ECP-14

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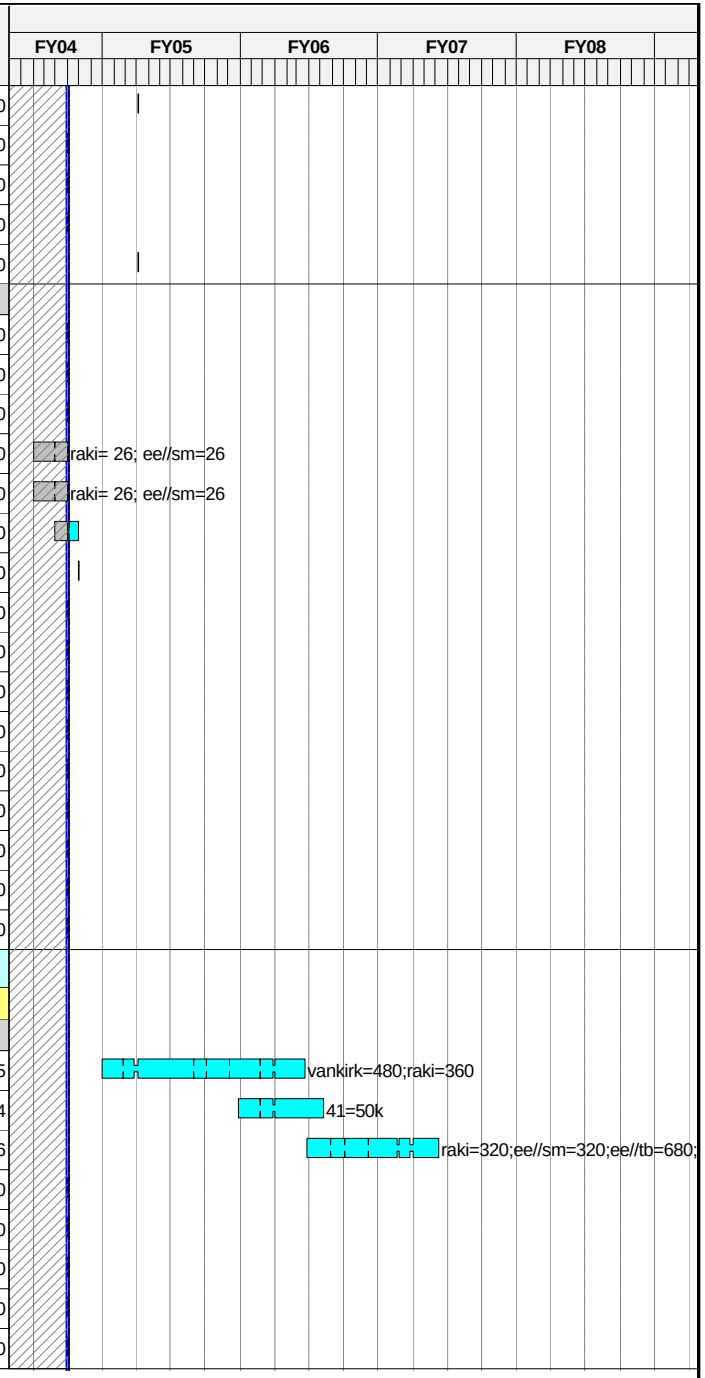
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
432-1-4.5	Bid & Award Cable Installation	04JAN05	0	23DEC04	1,201		0.00	0.00
432-1-4.7	Procure trays	01JUL04	0	30JUN04	1,323		0.00	0.00
432-1-4.8	Install Trays	01JUL04	0	30JUN04	1,323		0.00	0.00
432-1-4.6	S/C Install Cable [A/1]	01JUL04	0	30JUN04	1,323		0.00	0.00
432-1-6	DC Cabling-Installation Support	04JAN05	0	23DEC04	1,201		0.00	0.00
433 - D-Site DC Systems								
433-1-2	DC Cabling-Dsn	01JUL04	0	30JUN04	1,323		0.00	0.00
433-1-4	DC Cabling-Procure	01JUL04	0	30JUN04	1,323		0.00	0.00
433-1-6	DC Cabling-Install	01JUL04	0	30JUN04	1,323		0.00	0.00
433-2-4.0	Design Isolation switch	01APR04A	64*	30JUN04A		100	6,710.60	6,710.60
433-2-4.1	Prep Spec and Requisition for Isolation Switch	01APR04A	30	30JUN04A		100	6,710.60	6,710.60
433-2-4.2	Bid & Award Isolation Switch	01JUN04A	43*	30JUL04	1,302	30	0.00	0.00
433-2-4.3	Deliver Isolation Switch	02AUG04	0	30JUL04	1,302		0.00	0.00
433-2-4.4	Prep SOW and Requisition for IS installation	01JUL04	0	30JUN04	1,323		0.00	0.00
433-2-4.5	Bid & Award IS Installation	01JUL04	0	30JUN04	1,323		0.00	0.00
433-2-4.6	Install Isolation Switch	01JUL04	0	30JUN04	1,323		0.00	0.00
433-3-2	NSTX OH PS changes-Dsn	01JUL04A	0	30JUN04	1,323		0.00	0.00
433-3-6	NSTX OH PS changes-Install	01JUL04	0	30JUN04	1,323		0.00	0.00
433-3-8	NSTX OH PS changes-Commission	01JUL04	0	30JUN04	1,323		0.00	0.00
433-4-2	NSTX TF Power Supply changes-Dsn	01JUL04	0	30JUN04	1,323		0.00	0.00
433-4-6	NSTX TF Power Supply changes-Install	01JUL04	0	30JUN04	1,323		0.00	0.00
433-4-8	NSTX TF Power Supply changes-Commission	01JUL04	0	30JUN04	1,323		0.00	0.00
44 - Control and protection Systems								
Job: 4401 - Control & Protection-RAMAKRISHNAN								
441 - Electrical Interlocks								
441-1-2	C-site-Dsn interlock sys	01OCT04*	366	24MAR06	184		0.00	108,242.75
441-1-4	C-site-Procure	30SEP05*	149	08MAY06	391		0.00	65,245.64
441-1-6	C-site-Install	27MAR06	238	08MAR07	184		0.00	156,937.26
441-2-2	D-site-Dsn	01JUL04	0	30JUN04	1,323		0.00	0.00
441-2-4	D-site-Procure	01JUL04	0	30JUN04	1,323		0.00	0.00
441-2-6	D-site-Install	01JUL04	0	30JUN04	1,323		0.00	0.00
441-2-8	D-site-Commission	01JUL04	0	30JUN04	1,323		0.00	0.00
441-3-2	D-to-C-site-Dsn	01JUL04	0	30JUN04	1,323		0.00	0.00



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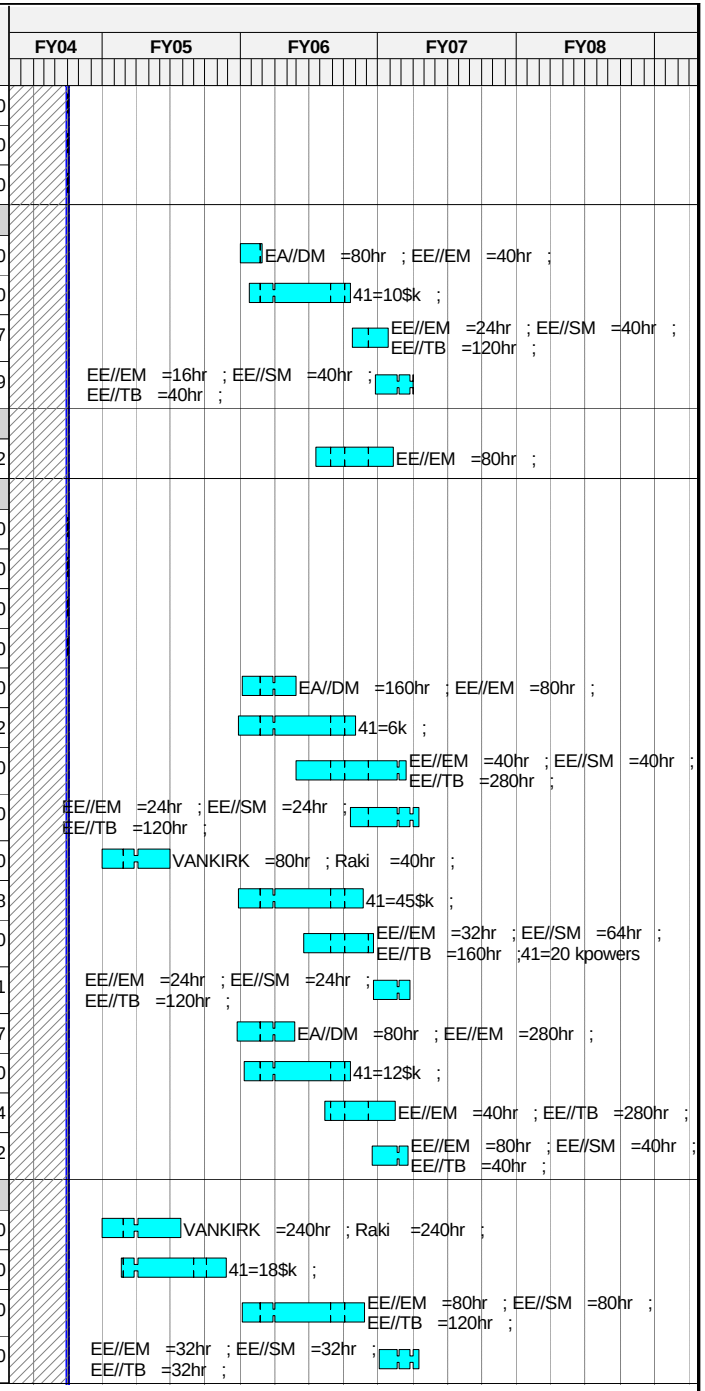
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
441-3-4	D-to-C-site-Procure	01JUL04	0	30JUN04	1,323		0.00	0.00
441-3-6	D-to-C-site-Install	01JUL04	0	30JUN04	1,323		0.00	0.00
441-3-8	D-to-C-site-Commission	01JUL04	0	30JUN04	1,323		0.00	0.00
442 - Kirk Key Interlocks								
442-1-2	Kirk Keys-Dsn	03OCT05*	41	30NOV05	380		0.00	15,100.00
442-1-4	Kirk Keys-Procure	24OCT05*	185	21JUL06	221		0.00	13,050.00
442-1-6	Kirk Keys-Install	24JUL06*	68	26OCT06	221		0.00	51,111.77
442-1-8	Kirk Keys-Commission	27SEP06*	62	02JAN07	221		0.00	10,925.29
443 - Real Time Control Systems								
443-1-2	Develop Control Algorithms-Dsn	21APR06*	142	09NOV06	221		0.00	12,799.32
444 - Instrument Systems								
444-1-2	DC Current Transducers (DCCTs)-Dsn	01JUL04	0	30JUN04	1,323		0.00	0.00
444-1-4	DC Current Transducers (DCCTs)-Procure	01JUL04	0	30JUN04	1,323		0.00	0.00
444-1-6	DC Current Transducers (DCCTs)-Install	01JUL04	0	30JUN04	1,323		0.00	0.00
444-1-8	DC Current Transducers (DCCTs)-Commission	01JUL04	0	30JUN04	1,323		0.00	0.00
444-2-2	DC Potential Transducers (DCPTs)-Dsn	07OCT05*	95	28FEB06	210		0.00	30,200.00
444-2-4	DC Potential Transducers (DCPTs)-Procure	30SEP05*	207	31JUL06	283		0.00	7,829.62
444-2-6	DC Potential Transducers (DCPTs)-Install	01MAR06*	200	12DEC06	210		0.00	33,603.00
444-2-8	DC Potential Transducers (DCPTs)-Commission	21JUL06*	120	17JAN07	210		0.00	16,697.40
444-3-2	DC Shunts-Dsn	01OCT04*	122*	01APR05	506		0.00	14,844.00
444-3-4	DC Shunts-Procure	29SEP05*	224	22AUG06	267		0.00	58,719.78
444-3-6	DC Shunts-Install	20MAR06*	130	20SEP06	267		0.00	50,999.20
444-3-8	DC Shunts-Commission	21SEP06*	65	22DEC06	222		0.00	17,077.81
444-4-2	Signal Conditioning & Cabling-Dsn	23SEP05*	99	20FEB06	286		0.00	52,846.67
444-4-4	Signal Conditioning & Cabling-Procure	13OCT05*	188	17JUL06	226		0.00	15,660.00
444-4-6	Signal Conditioning & Cabling-Install	16MAY06*	130	16NOV06	226		0.00	29,050.34
444-4-8	Signal Conditioning & Cabling-Commission	15SEP06*	65	18DEC06	226		0.00	21,559.32
445 - Coil Protection Systems								
445-1-2	Ground Fault Protection-Dsn	01OCT04*	142	29APR05	373		0.00	63,120.00
445-1-4	Ground Fault Protection-Procure	24NOV04*	187	26AUG05	290		0.00	23,256.00
445-1-6	Ground Fault Protection-Install	05OCT05*	223	25AUG06	264		0.00	31,088.00
445-1-8	Ground Fault Protection-Commission	05OCT06*	65	15JAN07	212		0.00	12,028.80



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CD-3 Proposed Baseline
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ECP-14

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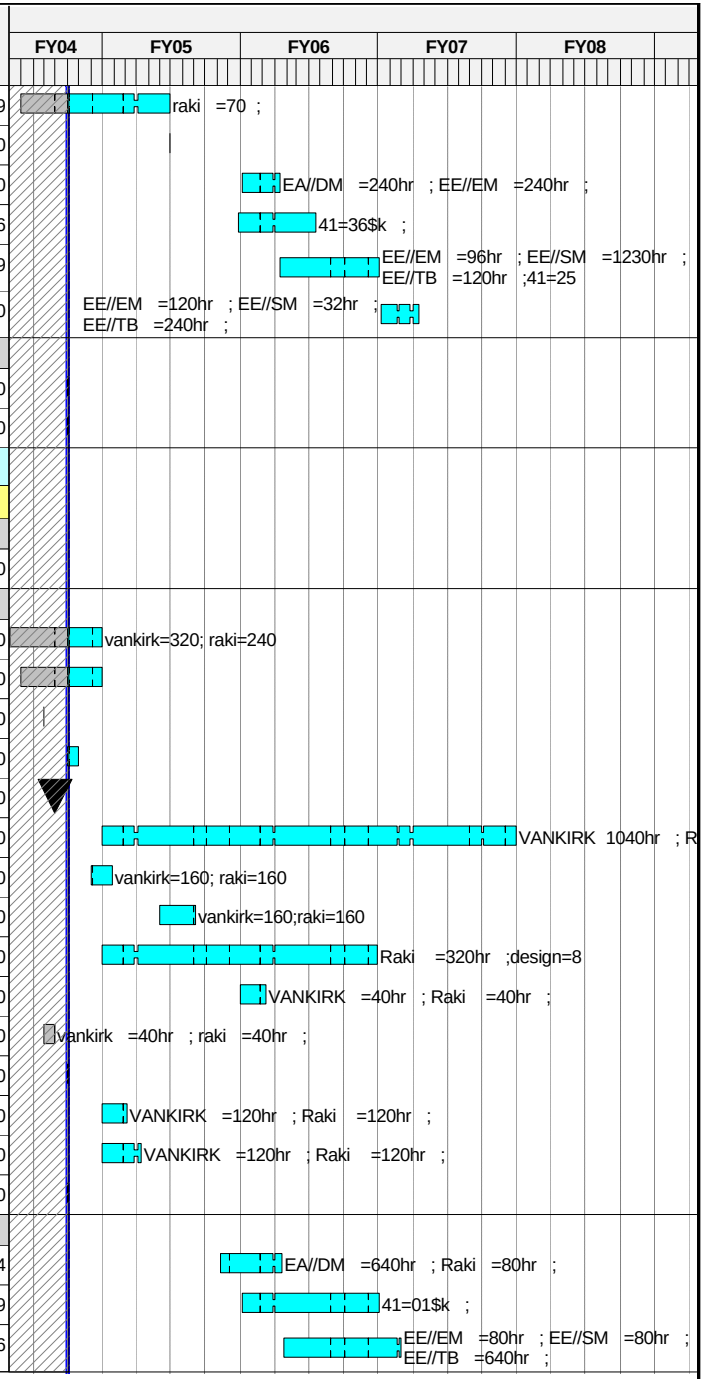
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
445-2-0	Overload Protection & Cabling-Prelim Dsn	01MAR04A	272*	31MAR05	1,137	30	3,203.94	10,679.79
445-2-1	Overload Protection & Cabling-Peer Review	01APR05	1	01APR05	1,137		0.00	0.00
445-2-2	Overload Protection & Cabling-FinalDsn	05OCT05*	65	13JAN06	211		0.00	64,200.00
445-2-4	Overload Protection & Cabling-Procure	30SEP05*	136	19APR06	264		0.00	46,976.56
445-2-6	Overload Protection & Cabling-Install	16JAN06*	186	05OCT06	211		0.00	70,813.39
445-2-8	Overload Protection & Cabling-Commission	09OCT06	65	17JAN07	210		0.00	44,704.80
446 - Ground Fault Monitoing System								
446-1-2	GFMS-Dsn	01JUL04	0	30JUN04	1,323		0.00	0.00
446-1-4	GFMS-Procure/Fab/Install	01JUL04	0	30JUN04	1,323		0.00	0.00
45 - Power System Design and Integration								
Job: 4501 - Power Sys Dsn & Integr-RAMAKRISHNAN								
FY03 Actual Cost								
4501-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A		100	112,340.00	112,340.00
451 - System Design & Interfaces								
4501-100	Design Drawings	02FEB04A	171*	30SEP04	1,259	30	7,182.39	23,941.30
4501-110	Calculations-Dsn	01MAR04A	151*	30SEP04	1,259	5	0.00	0.00
451-0-1	C-Site Decision	30APR04A	0	30APR04A		100	0.00	0.00
451-0-2	Develop SRD	01JUL04*	21	30JUL04	1,302		0.00	0.00
451-7-20	FDR DC transmission		0	28MAY04A		100	0.00	0.00
451-3-2	Dwgs,asbuilts -Elect Dsn	01OCT04*	747*	28SEP07	512		0.00	155,256.00
451-2-1	CDR Power system -Dsn	01SEP04*	42*	29OCT04	1,238		0.00	41,512.00
451-2-2	PDR Power system -Dsn	01MAR05*	69*	06JUN05	1,092		0.00	42,080.00
451-1-2	Calculations-Dsn	01OCT04*	498*	29SEP06	761		0.00	50,856.40
451-4-2	FDR AC auxiliaries & grounding-Dsn	03OCT05*	45	06DEC05	965		0.00	10,700.00
451-7-2	FDR DC transmission-Dsn	01MAY04A	0*	28MAY04A		100	10,236.00	10,236.00
451-8-2	FDR D-Site -Cabling	01JUL04	0	30JUN04	1,323		0.00	0.00
451-6-2	FDR C-Site -Cabling	01OCT04*	45	06DEC04	1,214		0.00	31,560.00
451-2-2.1	FDR C-Site	01OCT04*	65	12JAN05	1,194		0.00	31,560.00
451-2-2.2	FDR D-Site	01JUL04	0	30JUN04	1,323		0.00	0.00
452 - Electrical Systems Support								
452-1-2	Diagnostics AC Power Distr-Dsn	11AUG05*	108*	20JAN06	230		0.00	82,525.34
452-1-4	Diagnostics AC Power Distr-Procure	05OCT05*	248	02OCT06	269		0.00	1,305.19
452-1-6	Diagnostics AC Power Distr-Install	23JAN06	217	28NOV06	230		0.00	73,298.36



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CD-3 Proposed Baseline
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ECP-14

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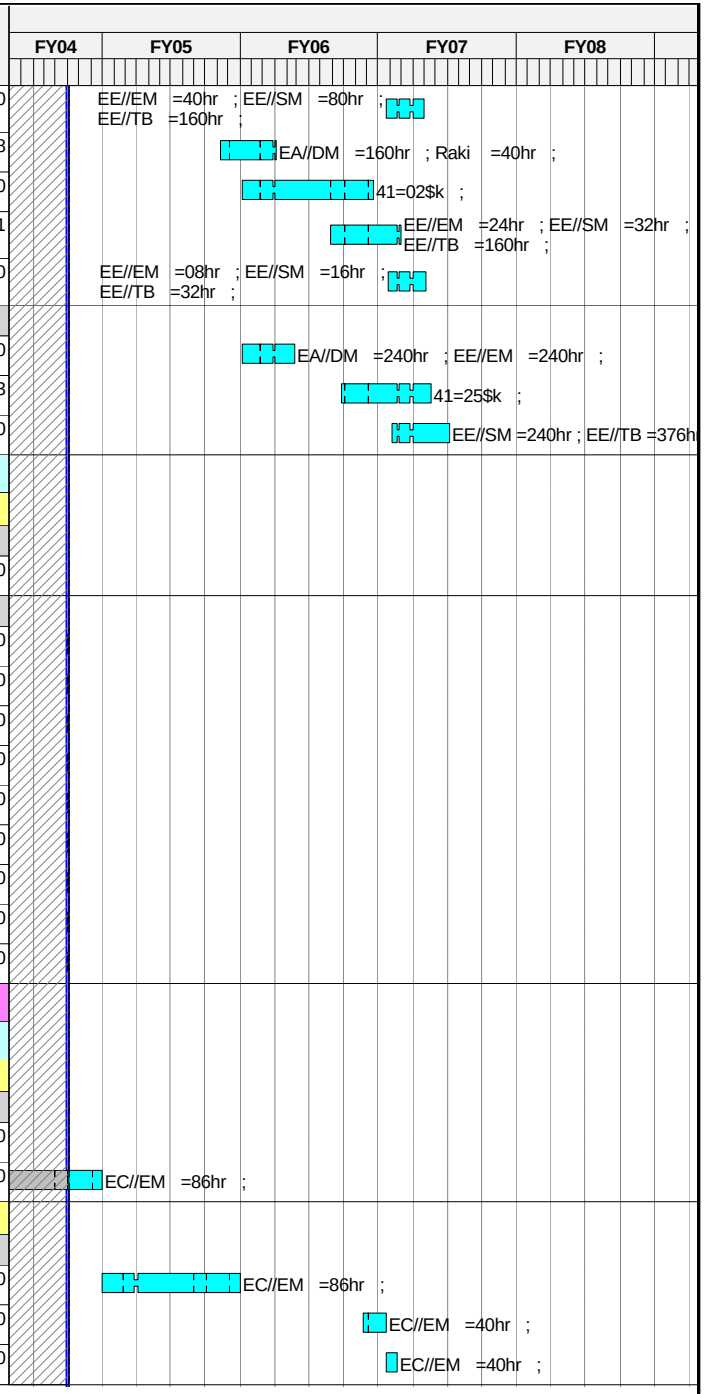
452-1-8	Diagnostics AC Power Distr-Commission	23OCT06*	65	31JAN07	230		0.00	30,108.00
452-2-2	Diagnostics sensor cabling-Dsn	11AUG05*	97*	05JAN06	328		0.00	23,748.58
452-2-4	Diagnostics sensor cabling-Procure	05OCT05*	240	20SEP06	277		0.00	2,610.00
452-2-6	Diagnostics sensor cabling-Install	30MAY06*	130	01DEC06	227		0.00	20,556.31
452-2-8	Diagnostics sensor cabling-Commission	26OCT06*	65	05FEB07	227		0.00	6,021.60
453 - System Testing (PTP's)								
453-1-2	New Procedures	06OCT05*	90	20FEB06	306		0.00	64,200.00
453-1-4	Preop Testing-Procure test equipt	26JUN06*	160	16FEB07	218		0.00	33,300.63
453-1-8	Testing PTPs, ISTPs	07NOV06*	100	05APR07	184		0.00	204,938.40
46 - FCPC Building Modifications								
Job: 4601 - FCPC Bldg Mods-RAMAKRISHNAN								
FY03 Actual Cost								
4601-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A		100	1,300.00	1,300.00
4601-100	Clear area in West wing SPS to HVAC equipt	01JUL04	0	30JUN04	1,323		0.00	0.00
460-2-4	Clear the small Vacuum prep lab -Procure	01JUL04	0	30JUN04	1,323		0.00	0.00
460-2-6	Clear the small Vacuum prep lab -Install	01JUL04	0	30JUN04	1,323		0.00	0.00
460-3-2	Floor & Wall Penetrations-Dsn	01JUL04	0	30JUN04	1,323		0.00	0.00
460-3-4	Floor & Wall Penetrations-Procure	01JUL04	0	30JUN04	1,323		0.00	0.00
460-3-6	Floor & Wall Penetrations-Install	01JUL04	0	30JUN04	1,323		0.00	0.00
460-4-2	Mechanical Modifications-Dsn	01JUL04	0	30JUN04	1,323		0.00	0.00
460-4-4	Mechanical Modifications-Procure	01JUL04	0	30JUN04	1,323		0.00	0.00
460-4-6	Mechanical Modifications-Install	01JUL04	0	30JUN04	1,323		0.00	0.00
5 - Central I&C Systems								
51 - TCP/IP Infrastructure Systems								
Job: 5801 -Central I&C Integr & Oversight-OLIARO								
51-00	FY03	01APR03A	250*	30SEP03A		LOE	11,900.00	11,900.00
51-01	FY04 LOE support	01OCT03A	250*	30SEP04	1,259	LOE	9,303.27	12,504.40
51-02	FY05 LOE support	01OCT04*	249*	30SEP05	1,010		0.00	12,848.40
51-10	Preliminary Design (Title I)	21AUG06*	45	23OCT06	214		0.00	6,246.40
51-20	Final Network Design (Title II)	24OCT06	20	20NOV06	214		0.00	6,548.00



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CD-3 Proposed Baseline
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EC14

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CD-3 Baseline
ECP-14

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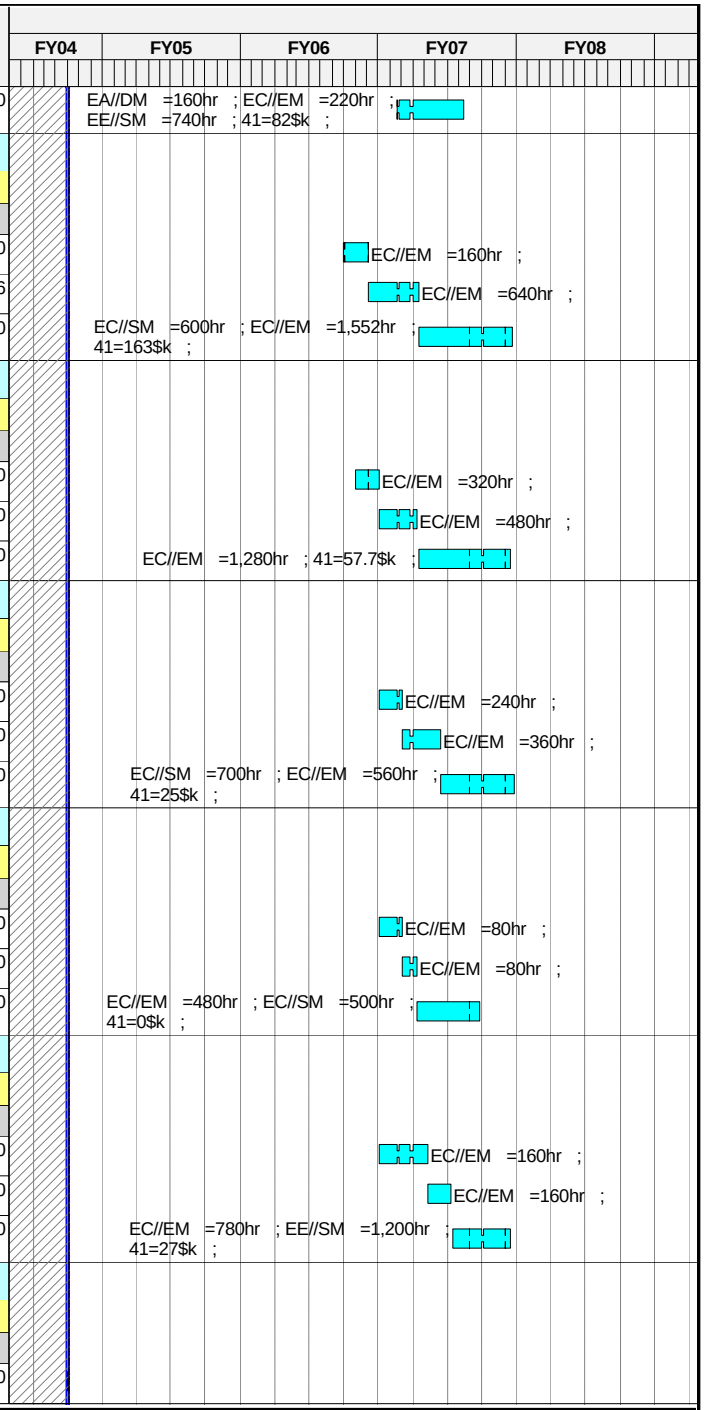
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
51-30	Installation, Testing, Documentation (Title III)	21NOV06*	120	17MAY07	214		0.00	255,709.60
52 - Central Instrumentation & Control								
52-10	Preliminary Design (Title I)	03JUL06*	45	05SEP06	128		0.00	24,320.00
52-20	Final Design (Title II)	06SEP06	87	16JAN07	128		0.00	103,218.76
52-30	Installation, Testing, Documentation (Title III)	17JAN07*	173	19SEP07	128		0.00	533,178.40
53 - Data Acquisition & Facility Computing								
53-10	Preliminary Design (Title I)	01AUG06*	45	03OCT06	130		0.00	48,806.40
53-20	Final Design (Title II)	04OCT06	65	12JAN07	130		0.00	78,576.00
53-30	Coding, Configuration, Testing (Title III)	15JAN07	173	17SEP07	130		0.00	287,546.40
54 - Facility Timing & Synchronization								
54-10	Preliminary Design (Title I)	02OCT06*	45	05DEC06	125		0.00	39,288.00
54-20	Final Design (Title II)	06DEC06	65	14MAR07	125		0.00	58,932.00
54-30	Installation, Testing, Documentation (Title III)	15MAR07	135	24SEP07	125		0.00	193,731.60
55 - Real Time Plasma & Power Supply Control Sys								
55-10	Preliminary Design (Title I)	02OCT06*	45	05DEC06	185		0.00	13,096.00
55-20	Final Design (Title II)	06DEC06	20	10JAN07	185		0.00	13,096.00
55-30	Installation, Testing, Documentation (Title III)	11JAN07	120	28JUN07	185		0.00	127,526.00
56 - Central Safety Interlock Systems								
56-10	Preliminary Design (Title I)	02OCT06*	87	09FEB07	130		0.00	26,192.00
56-20	Final Design (Title II)	12FEB07	45	13APR07	130		0.00	26,192.00
56-30	Installation, Testing, Documentation (Title III)	16APR07	108	17SEP07	130		0.00	309,270.00
57 - Control Room Facility								
57-10	Preliminary Design (Title I)	01JUL04	0	30JUN04	1,323		0.00	0.00



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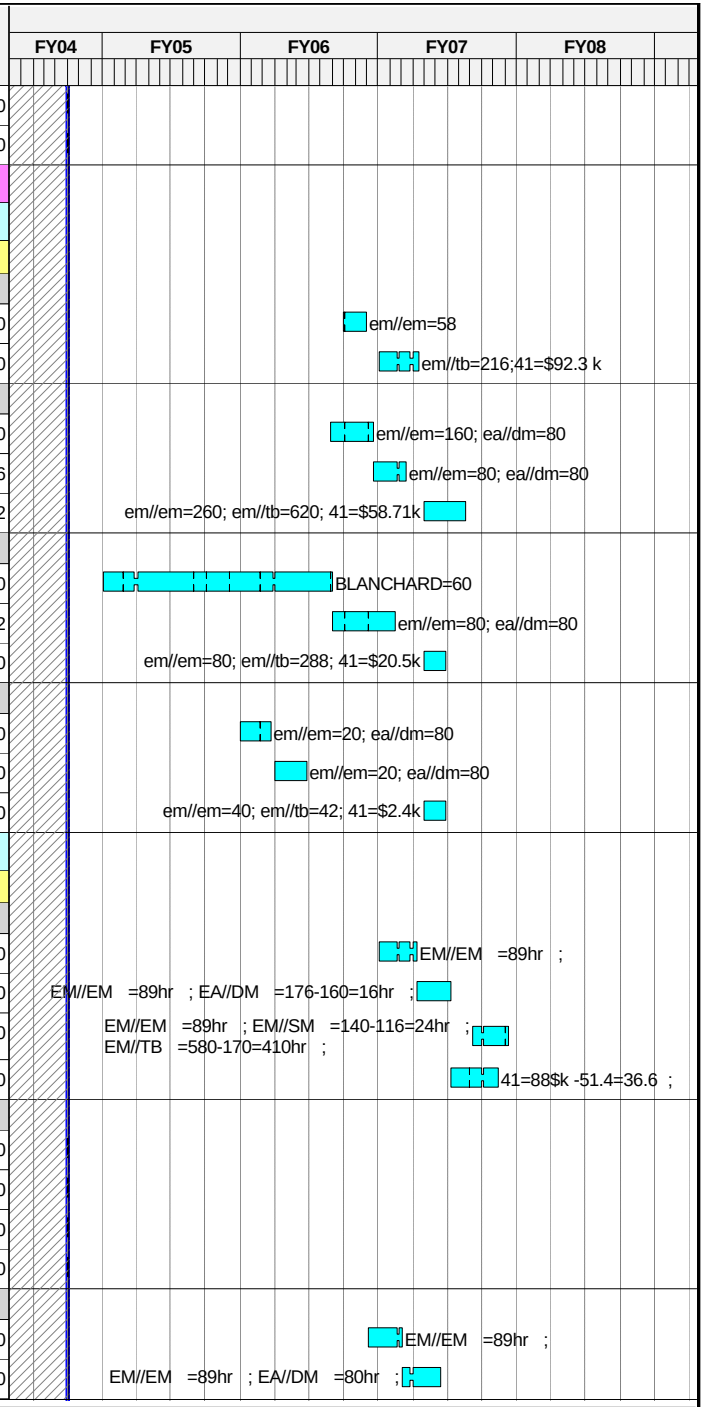
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
57-20	Final Design (Title II)	01JUL04	0	30JUN04	1,323		0.00	0.00
57-30	Installation, Testing, Documentation (Title III)	01JUL04	0	30JUN04	1,323		0.00	0.00
6 - Facility Systems								
61 - Water Systems								
611 - C-Site Cooling System								
615.011	Engr recommissioning of C-Site Water systems	03JUL06*	44	01SEP06	251		0.00	9,796.20
615.021	Replace valves, resins, filters	06OCT06*	65	16JAN07	228		0.00	143,473.60
612 - NB Water Cooling Systems								
622.001	WBS 612 Preliminary design	30MAY06*	79	19SEP06	238		0.00	35,824.00
622.011	WBS 612 Final Design	20SEP06	60	14DEC06	238		0.00	23,802.66
622.021	WBS 612 Assembly/Fabrication/Installation	31JAN07*	80	22MAY07	211		0.00	180,299.92
613 - Vacuum Pumping System								
623.010	LOE WBS 612	06OCT04*	410*	31MAY06	846		0.00	10,033.20
623.011	Design WBS 612	01JUN06*	118	15NOV06	224		0.00	22,793.02
632.021	WBS 612 Assembly/Fabrication/Installation	31JAN07*	40	27MAR07	178		0.00	67,180.00
614 - Bakeout Water System								
625.001	WBS 614 Preliminary design	03OCT05*	58	23DEC05	850		0.00	12,178.00
625.011	WBS 614 Final Design	03JAN06	62	29MAR06	850		0.00	12,178.00
625.021	WBS 614 Assembly/Fabrication	31JAN07	40	27MAR07	642		0.00	14,153.80
62 - Cryogenic Systems								
621 - LN2-LHe Supply System								
631-001	Preliminary Design	02OCT06*	65	10JAN07	135		0.00	16,189.10
631-010	Final Design**reduced scope	11JAN07	65	11APR07	135		0.00	18,085.10
631-015	Fab/Assy/Installation**reduced scope	08JUN07*	65	10SEP07	135		0.00	72,233.00
631-020	Procurement **reduced scope	12APR07*	88	15AUG07	135		0.00	118,435.20
622 - LN2 Coil Cooling Supply								
632-001	Preliminary Design**deleted scope	01JUL04	0	30JUN04	1,323		0.00	0.00
632-010	Final Design**deleted scope	01JUL04	0	30JUN04	1,323		0.00	0.00
632-015	Fab/Assy/Installation**deleted scope	01JUL04	0	30JUN04	1,323		0.00	0.00
632-020	Procurement**deleted scope	01JUL04	0	30JUN04	1,323		0.00	0.00
623 - GN2 Cryostat Cooling System								
633-001	Preliminary Design	05SEP06*	65	06DEC06	129		0.00	15,850.90
633-010	Final Design	07DEC06	65	15MAR07	129		0.00	25,669.10



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CD-3 Proposed Baseline
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CD-3 Baseline
ECP-14

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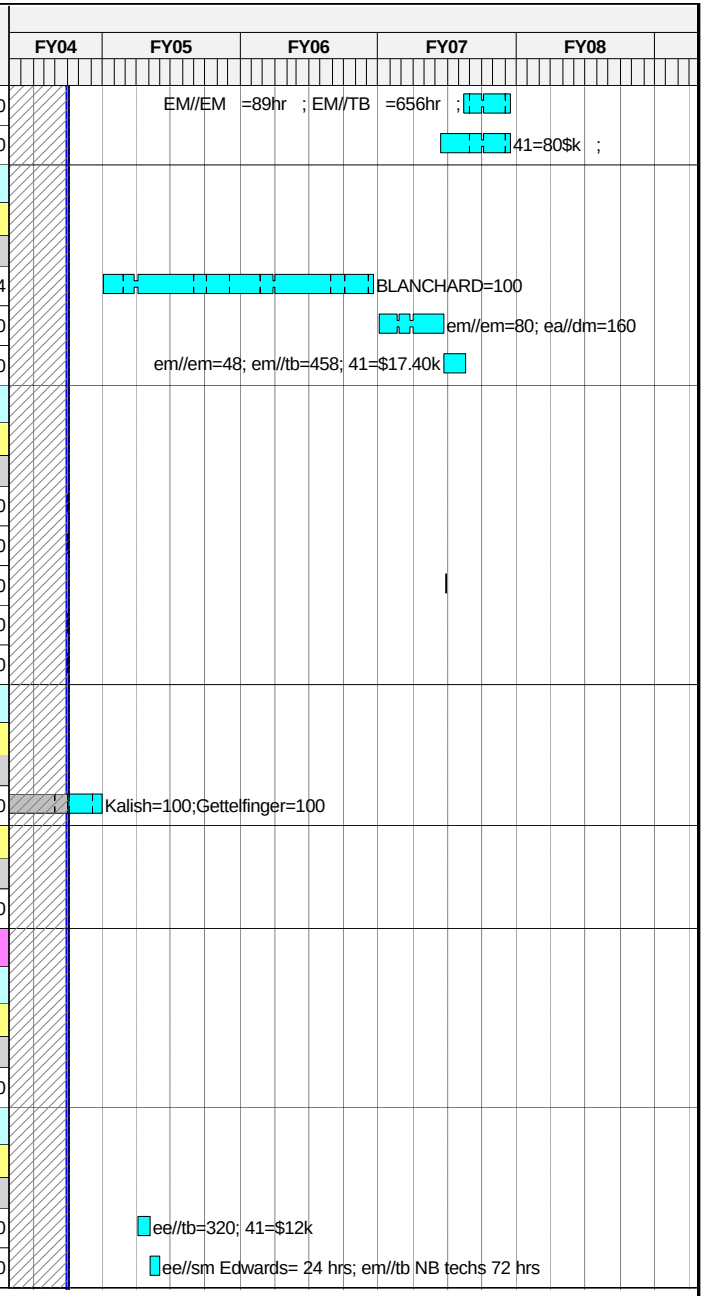
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
633-015	Fab/Assy/Installation	15MAY07*	88	18SEP07	129		0.00	72,933.10
633-020	Procurement	16MAR07*	130	18SEP07	129		0.00	108,092.40
63 - Utility Systems								
640.010	FY04/05 LOE support	06OCT04*	489*	21SEP06	767		0.00	16,749.14
640.011	Design GN2, Air & Vent Systems	02OCT06*	117	23MAR07	153		0.00	33,512.00
640.021	Assembly/Fabrication	26MAR07*	40	18MAY07	153		0.00	72,413.80
64 - PFC/VV Heating & Cooling*ELIMINATED*								
650.001	Preliminary Design	01JUL04	0	30JUN04	1,323		0.00	0.00
650.005	Final Design	01JUL04	0	30JUN04	1,323		0.00	0.00
650.010	Lab Fab/Assy/Installation/Test	28MAR07	0	27MAR07	642		0.00	0.00
650.012	Procured Hardware/Material	01JUL04	0	30JUN04	1,323		0.00	0.00
650.015	Procured Installation/Assy	01JUL04	0	30JUN04	1,323		0.00	0.00
65 - Facility Systems Integration								
Job: 6163 - Facility Systems Support FY04								
65-03	LOE WBS 6	01OCT03A	250*	30SEP04	1,259	LOE	23,971.68	32,220.00
Job: 6501 - Facility Systems Integration-DUDEK								
FY03 Actual Cost								
6501-001	Apr-Sept MIE Cost PPPL	01APR03A	0	30SEP03A		100	9,380.00	9,380.00
7 - Test Cell Preparation and Machine Assy								
71 - Shield Wall Seismic Modifications								
Job: 7101 - Shield Wall Modif Design-PERRY								
FY03 Actual Cost								
7101-000	Apr-Sept MIE Cost PPPL	01APR03A	66	30SEP03A		100	32,150.00	32,150.00
72 - Control Room Refurbishment								
Job: 7201 - Control Room Walls&Floors-PERRY								
710.001	Block Wall east side control room	04JAN05*	24	04FEB05	1,159		0.00	40,432.00
711B.050	Complete Control Room Flooring	07FEB05	18	02MAR05	1,159	85	0.00	8,337.60



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CD-3 Proposed Baseline
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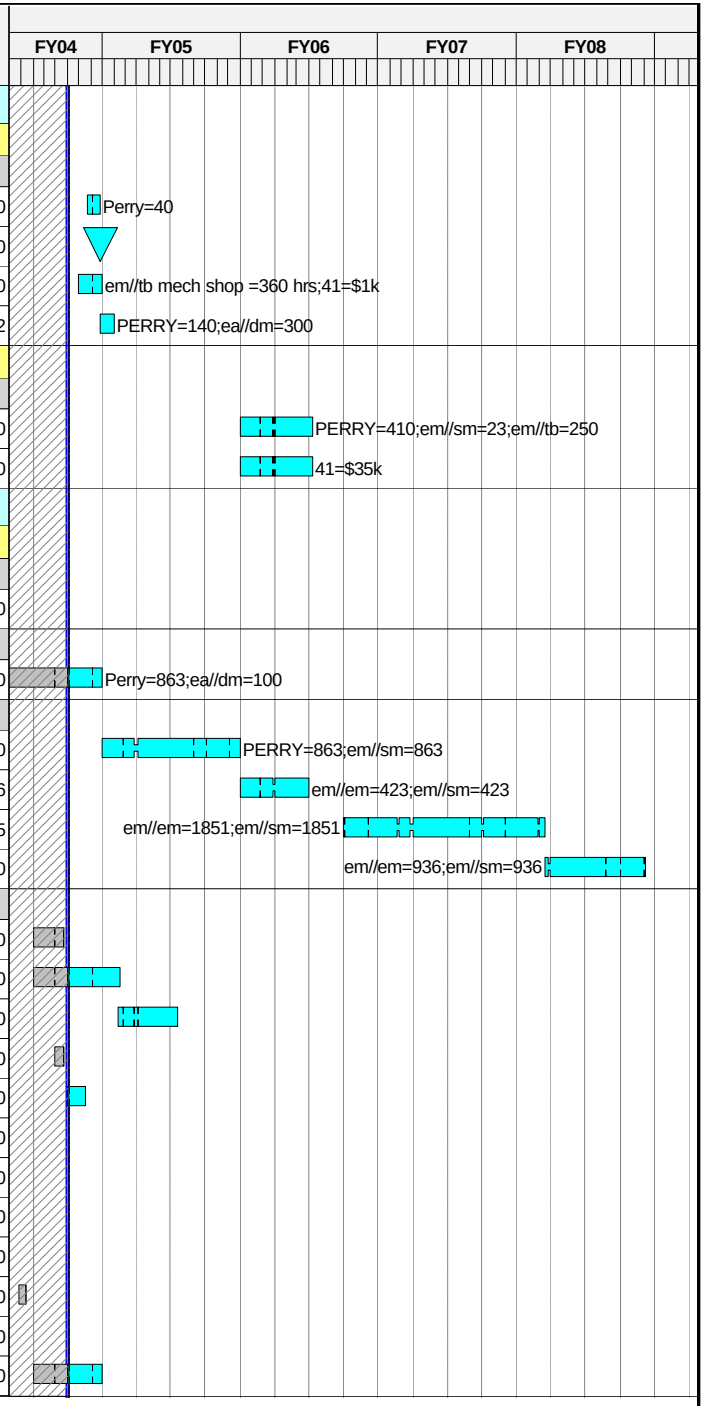
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
73 - Platform Design & Fabrication								
Job: 7301 - Platform Design & Fab-PERRY								
712.008	Update Platform Specification	23AUG04*	25	27SEP04	1,237		0.00	6,460.00
712.009	Platform PDR		0	27SEP04	1,237		0.00	0.00
711A.040	Platform nut plates	02AUG04*	43*	30SEP04	1,259	75	0.00	28,922.00
712.010	Final Design	28SEP04*	25*	01NOV04	1,261		0.00	55,502.32
Job: 7401 - TC Prep & Mach Assy Planning-PERRY								
712.020	Fab & Assemble Platform	03OCT05*	132	10APR06	288		0.00	24,296.30
712.030	Miscs Hardware/Material	03OCT05*	132	10APR06	288		0.00	45,675.00
74 - Machine Assembly Planning and Oversight								
Job: 7401 - TC Prep & Mach Assy Planning-PERRY								
FY03 Actual Cost								
7401-001	Apr-Sept MIE Cost PPPL	01APR03A	66	30SEP03A		100	131,680.00	131,680.00
Oversight and Supervision								
711A.020	LOE FY04	01OCT03A	256*	30SEP04	1,283	LOE	112,420.88	149,894.50
Project Scope								
714.010	LOE FY05	01OCT04*	249	30SEP05	342		0.00	236,807.20
714.020	LOE FY06 prior to assy starting	03OCT05	122	31MAR06	342		0.00	118,111.86
714.030	LOE FY07 thru first plasma	03JUL06*	366	17DEC07	278		0.00	551,373.85
714.031	WBS 7 mgt stretch out cost	18DEC07	180	05SEP08	278		0.00	287,913.60
FED/Infrastructure Support (non Project cost)								
613.010	Remove Shield Walls ** GPP **	01APR04A	64*	22JUN04A			0.00	0.00
613.015	Fabricate New Bottom Course of Blocks **GPP**	01APR04A	160*	15NOV04	1,251		0.00	0.00
613.017	Install New Bottom Course **GPP**	15NOV04*	107	18APR05	1,145		0.00	0.00
613.020	Remove south PLT shielding (cc 7230)	01JUN04A	0*	22JUN04A			0.00	0.00
613.025	Dispose of old south PLT shielding **GPP**	01JUL04*	32*	16AUG04	1,315		0.00	0.00
EXFAC003	Clear PBX control room & Safe PBX (cc7230)	27JAN03A	110*	30JUN03A		100	0.00	0.00
EXFAC004	Remove Fire protection PLT wall (cc7230)	01MAY03A	21	09MAY03A		100	0.00	0.00
EXFAC005	Remove Fire Protection under platform (cc7230)	01APR03A	21	30APR03A		100	0.00	0.00
EXFAC006	Remove Fire Protection Control rm walls(cc7230)	01MAY03A	21	09MAY03A		100	0.00	0.00
EXFAC007	Remove PBX Base Plates cc7230)	25FEB04A	48*	12MAR04A		100	0.00	0.00
GPP001	GPP-Upgarde C-Site central chilled wtr plant*TBD	01OCT02A	1	01OCT02A			0.00	0.00
GPP004	GPP-Roofing Design	01APR04A	128*	30SEP04	1,259		0.00	0.00



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CD-3 Proposed Baseline
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Critical Activity

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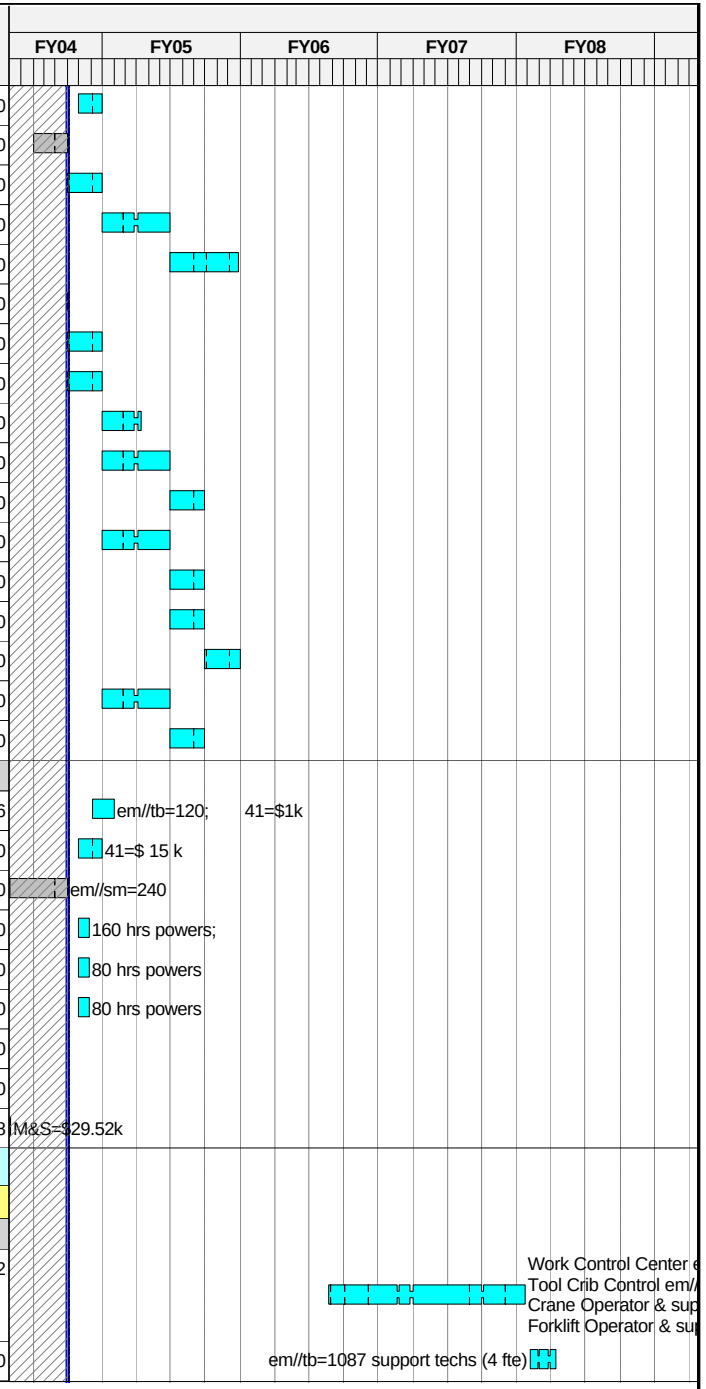
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
GPP004.1	GPP-Roofing Install	02AUG04*	43*	30SEP04	1,259		0.00	0.00
GPP005	GPP-Test Cell lighting Design	01APR04A	64*				0.00	0.00
GPP005.1	GPP-Test Cell lighting Install	01JUL04	64	30SEP04	1,259		0.00	0.00
GPP006	GPP-Test Cell HVAC/dew point control Design	01OCT04*	120	30MAR05	1,011		0.00	0.00
GPP006.1	GPP-Test Cell HVAC/dew point control Install	31MAR05	128	29SEP05	1,011		0.00	0.00
GPP007	GPP-C-Site elevators Design	01JUL04*	0*	30JUN04	1,259		0.00	0.00
GPP007.1	GPP-C-Site elevators Install	01JUL04	64*	30SEP04	1,259		0.00	0.00
GPP008	GPP-Fire suppression high bay design	01JUL04*	64	30SEP04	1,195		0.00	0.00
GPP008.1	GPP-Fire suppression high bay install	01OCT04	64	11JAN05	1,195		0.00	0.00
GPP009	Control Room Lights & Outlets design	01OCT04*	121*	31MAR05	1,010		0.00	0.00
GPP009.1	Control Room Lights & Outlets install	01APR05	64	30JUN05	1,010		0.00	0.00
GPP010	Control Room HVAC Design	01OCT04*	121*	31MAR05	1,010		0.00	0.00
GPP010.1	Control Room HVAC Install	01APR05	64	30JUN05	1,010		0.00	0.00
GPP011	Control Room Ceiling Design	01APR05*	64	30JUN05	1,010		0.00	0.00
GPP011.1	Control Room Ceiling Install	01JUL05	64	30SEP05	1,010		0.00	0.00
GPP012	Control Rm Fire Detection & Suppression Design	01OCT04*	121*	31MAR05	1,010		0.00	0.00
GPP012.1	Control RmFire Detection & Suppression Install	01APR05	64	30JUN05	1,010		0.00	0.00
Test Cell Modifications & Upgrades								
613.030	Test Cell copper ground plane cuts	07SEP04*	43	04NOV04	1,258		0.00	10,653.96
713.010	General procurements	02AUG04*	43*	30SEP04	1,283		0.00	19,110.00
7502-000	Outlet Design	02FEB04A	107*	30JUN04A		100	25,272.00	25,272.00
7502-001	Test Cell 110v outlets	02AUG04*	20	27AUG04	1,282		0.00	14,268.80
7502-002	Test Cell 208v outlets	02AUG04*	20	27AUG04	1,282		0.00	7,134.40
7502-010	Ready Rooms (under control room) 110v outlets	02AUG04*	20	27AUG04	1,156		0.00	7,134.40
7502-011	Cable Removal in test cell (S04335-32)	01OCT03A	0*	31OCT03A		100	9,937.20	9,937.20
7502-025	TC Floor penetration covers	03NOV03A	42	26NOV03A		100	16,848.00	16,848.00
EXFAC001.2	Complete Crane Modifications (S04354)	02FEB04A	0*	30JAN04A		100	37,608.48	37,608.48
75 - Test Cell and Basement Assembly Operations								
7501 - Construction Support Crew								
7501-05	Construction Support Crew during machine assy	24MAY06	356	23OCT07	104		0.00	811,284.12
7501-06	Construction Support Crew during e-beam mapping	07NOV07	41	14JAN08	444		0.00	94,025.50



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CD-3 Proposed Baseline
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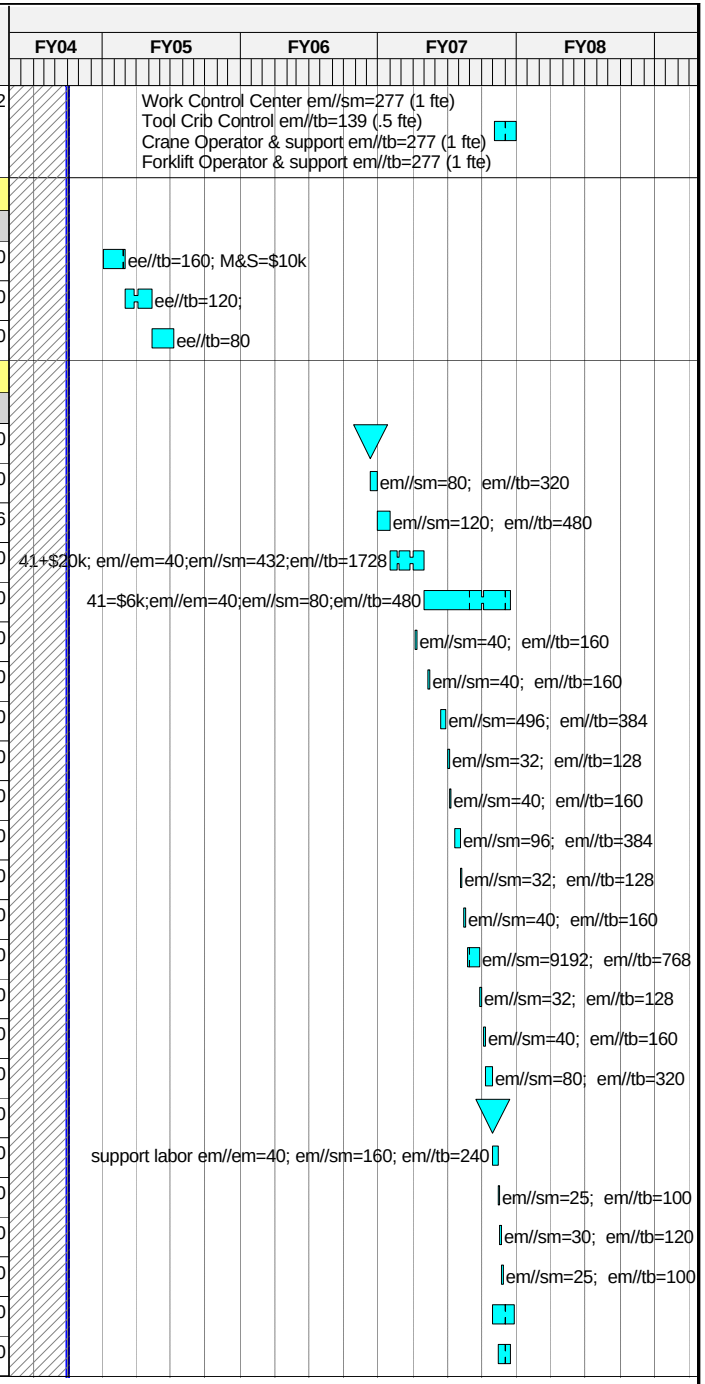
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
7501-07	Construction Support Crew during cryostat instl	06AUG07	40	01OCT07	511		0.00	92,837.72
7502 - Test Cell Facility Preparations								
7502-020	Resurface TC floor	04OCT04*	42	02DEC04	1,132		0.00	30,248.00
7502-030	TC Floor firesealing	03DEC04*	42	09FEB05	1,132		0.00	12,996.00
7502-035	Control room firesealing	10FEB05*	42	08APR05	1,132		0.00	8,664.00
7503 - Machine Assembly								
730.1000	Begin Assembly Activities	08SEP06*	0		178		0.00	0.00
730.1020	Install & Level Support Base Plates	08SEP06	15	28SEP06	178		0.00	34,504.00
730.1030	Install/Level Machine Support Columns	29SEP06	25	02NOV06	178		0.00	55,592.16
730.1040	Install Platform	03NOV06	55	30JAN07	178		0.00	235,023.20
730.1050	Install Lighting,Fire Det/Supprs under platform	31JAN07	160	14SEP07	522		0.00	70,761.60
730.1060	Install Lower Cryostat Floor	08JAN07	5	12JAN07	150		0.00	18,584.00
730.1070	Install Lower PF 3,4,5&6 into prelim position	09FEB07	5	15FEB07	131		0.00	18,584.00
730.1081	1st Field Period Assembly-Position	15MAR07	12	30MAR07	112		0.00	44,601.60
730.1082	1st Field Period Assembly-Weld	02APR07	4	05APR07	112		0.00	14,867.20
730.1083	1st Field Period Assembly-Leak Check	06APR07	5	12APR07	112		0.00	18,584.00
730.1091	2nd Field Period Assembly-Position	20APR07	12	07MAY07	107		0.00	44,601.60
730.1092	2nd Field Period Assembly-Weld	08MAY07	4	11MAY07	107		0.00	14,867.20
730.1093	2nd Field Period Assembly-Leak Check	14MAY07	5	18MAY07	107		0.00	18,584.00
730.1101	3rd Field Period Assembly-Position	24MAY07	24	27JUN07	104		0.00	89,203.20
730.1102	3rd Field Period Assembly-Weld	28JUN07	4	03JUL07	104		0.00	14,867.20
730.1103	3rd Field Period Assembly-Leak Check	05JUL07	5	11JUL07	104		0.00	18,584.00
730.1130	Make Final Vacuum Pump Connections to VV	12JUL07	13	30JUL07	104		0.00	37,168.00
730.1139	Begin Vac Vsl Pumpdown	31JUL07	0		104		0.00	0.00
730.1140	PTP Pumpdown & leak check VV (WBS 220-025)	31JUL07	10	13AUG07	104		0.00	47,012.00
730.1150	Raise lower PF-3,4,5&6 coils into final position	14AUG07	3	16AUG07	104		0.00	11,615.00
730.1170	Install PF Solenoid into position (U/L 1&2 PF)	17AUG07	4	22AUG07	104		0.00	13,938.00
730.1175	Install Upper PF-3,4,5 & 6 coils	23AUG07	3	27AUG07	104		0.00	11,615.00
730.1180	Install Bus connections to coil sys (WBS 431-131	31JUL07	40	25SEP07	104		0.00	0.00
730.1210	Connect Cooling System (WBS 61)	14AUG07	25	18SEP07	109		0.00	0.00



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CD-3 Proposed Baseline
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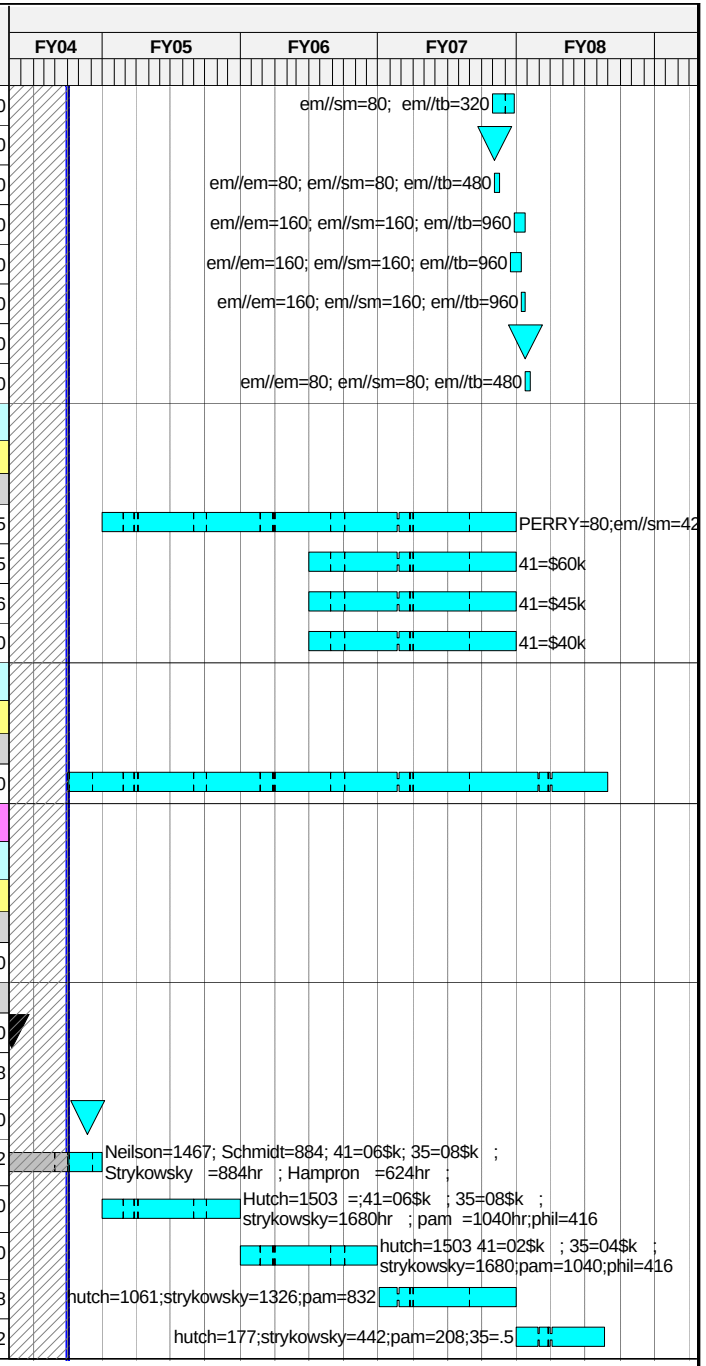
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
730.1230	Complete Bus connections (WBS 4)	31JUL07	40	25SEP07	104		0.00	37,168.00
730.8074	Begin Cryostat Installation	06AUG07*	0		130		0.00	0.00
730.8075	Prep Cryostat for installation	06AUG07	10	17AUG07	130		0.00	65,560.00
730.8100	Cryo stat installation	26SEP07	20	23OCT07	104		0.00	132,085.60
730.1248	ACC Review	19SEP07*	20	16OCT07	104		0.00	0.00
730.1249	PSO Operational Readiness Assessment	17OCT07	5	23OCT07	104		0.00	0.00
730.1250	PSO Operational Readiness Assessment		0	23OCT07	104		0.00	0.00
730.8200	PTP and Cooldown	24OCT07	10	06NOV07	104		0.00	66,128.00
76 - Tooling Design & Fabrication								
713.020	Lab Fab/Assy/Installation	01OCT04*	764*	28SEP07	519		0.00	29,973.45
713.030	Tooling,assy fixtures,misc equipt	03APR06*	383*	28SEP07	519		0.00	80,177.55
713.040	General procurements	03APR06*	383*	28SEP07	519		0.00	60,133.16
713.050	Welding tools, materials & equipt	03APR06*	383*	28SEP07	519		0.00	53,451.70
77 - Measurement Systems								
780.000	No additional tools/devices needed.	01JUL04	999*	30MAY08	348		0.00	0.00
8 - Project Oversight and Support								
81 - Project Management and Control								
Job: 8101 - Project Management & Control-NEILSON								
FY03 Actual Cost								
810.001	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		100	387,340.00	387,340.00
M-0110	CD-2		0	03FEB04A			0.00	0.00
810.009	PDR Support	01OCT03A	3*	31OCT03A		100	41,163.08	41,163.08
M-0115	CD-3		0	24AUG04	311		0.00	0.00
810.002	Project Management Office PPPL FY04	01OCT03A	256*	30SEP04	1,283	LOE	516,866.12	689,154.82
810.003	Project Management Office PPPL FY05	01OCT04*	255*	30SEP05	1,028		0.00	708,088.10
810.004	Project Management Office PPPL FY06	03OCT05*	254*	29SEP06	774		0.00	707,711.90
810.005	Project Management OfficePPPL FY07	02OCT06*	255*	28SEP07	519		0.00	514,290.08
810.900	Project Management Office PPPL FY08	01OCT07*	164	21MAY08	355		0.00	124,420.42



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ECP-14

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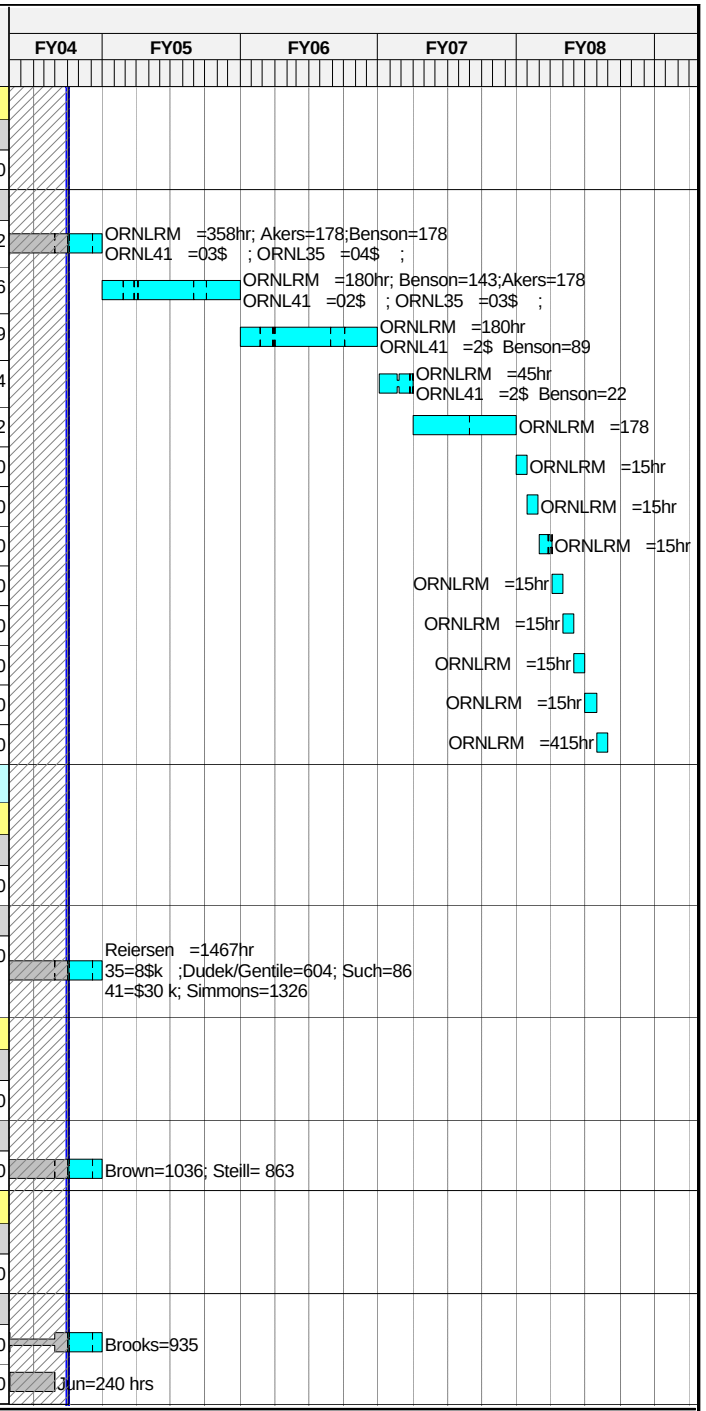
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
Job: 8102 - NCSX MIE Management ORNL-LYON								
FY03 Actual Cost								
810.101	Apr-Sept MIE Cost ORNL	**01APR03A**	*129**	**30SEP03A**		***100***	***58,600.00***	58,600.00
810.102	Project Management Office ORNL FY04	**01OCT03A**	*256**	**30SEP04**	***1,283***	***LOE***	***90,171.17***	120,228.22
810.103	Project Management Office ORNL FY05	**01OCT04***	*255**	**30SEP05**	***1,028***		***0.00***	85,894.36
810.104	Project Management Office ORNL FY06	**03OCT05***	*254**	**29SEP06**	***519***		***0.00***	49,323.49
810.104X	Project Management Office ORNL FY06	**02OCT06**	*65*	**04JAN07**	***519***		***0.00***	14,321.54
810.105	Project Management Office ORNL FY07	**05JAN07**	*190**	**28SEP07**	***519***		***0.00***	33,631.32
810.901	Project Management Office ORNL 1 mo SO	**02OCT07***	*21*	**30OCT07**	***350***		***0.00***	2,834.10
810.980	Project Management Office ORNL 1 mo SO	**31OCT07***	*21*	**28NOV07**	***350***		***0.00***	2,834.10
810.981	Project Management Office ORNL 1 mo SO	**03DEC07***	*21*	**02JAN08**	***350***		***0.00***	2,834.10
810.982	Project Management Office ORNL 1 mo SO	**03JAN08***	*21*	**31JAN08**	***350***		***0.00***	2,834.10
810.983	Project Management Office ORNL 1 mo SO	**01FEB08***	*21*	**29FEB08**	***350***		***0.00***	2,834.10
810.984	Project Management Office ORNL 1 mo SO	**03MAR08***	*21*	**31MAR08**	***350***		***0.00***	2,834.10
810.985	Project Management Office ORNL 1 mo SO	**01APR08***	*21*	**29APR08**	***350***		***0.00***	2,834.10
810.986	Project Management Office ORNL 1 mo SO	**30APR08***	*21*	**28MAY08**	***350***		***0.00***	2,834.10
82 - Project Engineering								
Job: 8202 - Engr Mgmt & Sys Eng Support-REIERSEN								
FY03 Actual Cost								
820.110	Apr-Sept MIE Cost PPPL	**01APR03A**	*128**	**30SEP03A**		***100***	***295,530.00***	295,530.00
820.002	LOE FY04	**01OCT03A**	*256**	**30SEP04**	***1,283***	***LOE***	***470,063.48***	626,751.30
Job: 8203 - Design Integration-REIERSEN								
FY03 Actual Cost								
820.150	Apr-Sept MIE Cost PPPL	**01APR03A**	*128**	**30SEP03A**		***100***	***178,750.00***	178,750.00
820.200	LOE FY04	**01OCT03A**	*256**	**30SEP04**	***1,283***	***LOE***	***192,954.60***	257,272.80
Job: 8204 - Systems Analysis-REIERSEN								
FY03 Actual Cost								
820.173	Apr-Sept MIE Cost PPPL	**01APR03A**	*128**	**30SEP03A**		***100***	***44,620.00***	44,620.00
820.174	LOE FY04	**01OCT03A**	*172**	**30SEP04**	***1,283***	***LOE***	***94,345.85***	150,254.50
8204.01	Assess magnetic material in test cell	**02FEB04A**	*85**	**28MAY04A**		***100***	***38,568.00***	38,568.00



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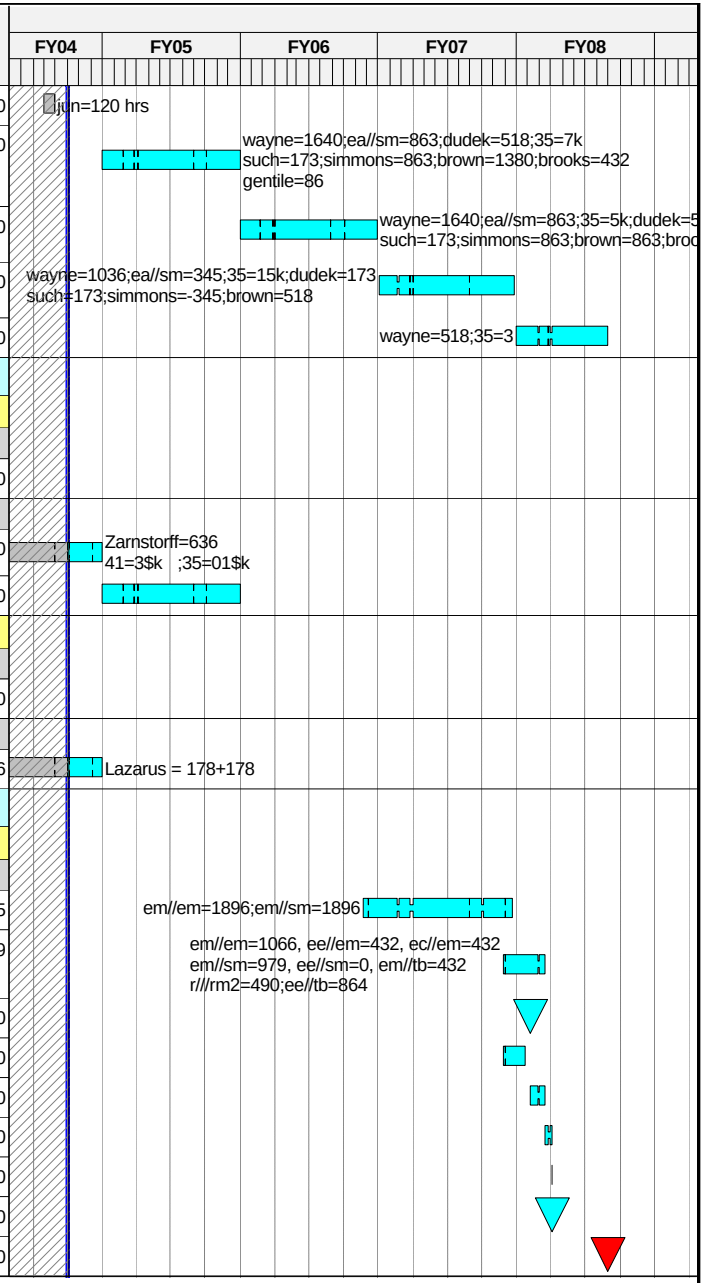
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
8204.02	Model effects local high MU regions on MCWF	01MAY04A	29	28MAY04A		100	19,284.00	19,284.00
820.003	Proj engr,Sys Integr.,Designers, Deputy PM FY05	01OCT04*	255*	30SEP05	1,028		0.00	947,234.30
820.004	Proj engr,Sys Integr.,Designers, Deputy PM FY06	03OCT05*	254*	29SEP06	774		0.00	887,483.30
820.004Z	Proj engr,Sys Integr.,Designers, Deputy 8mo s.o.	02OCT06*	252*	25SEP07	522		0.00	465,059.70
820.005	Proj engr,Sys Integr.,Designers, Deputy PM FY07	01OCT07*	171*	30MAY08	348		0.00	102,889.00
84 - Project Physics								
Job: 8401 - Project Physcis-ZARNSTORFF								
FY03 Actual Cost								
840.201	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		100	210,270.00	210,270.00
840.202	Project Physics/Engr Analysis FY04	01OCT03A	256*	30SEP04	1,283	LOE	74,854.65	99,806.20
840.203	Project Physics FY05**part of Res Prep Scope	01OCT04*	255*	30SEP05	1,028		0.00	0.00
Job: 8402 - Project Physics MIE ORNL-LYON								
FY03 Actual Cost								
840.301	Apr-Sept MIE Cost ORNL	01APR03A	152*	30SEP03A		100	40,980.00	40,980.00
840.302	Project Physics/Engr Analysis FY04	01OCT03A	256*	30SEP04	1,283	LOE	45,833.22	61,110.96
85 - Integrated Systems Testing								
920.001	Procedure and Document Preparation	21AUG06*	273	21SEP07	126		0.00	565,417.75
920.000	Startup Personnel	31AUG07	72	13DEC07	114		0.00	654,658.29
920.004	Begin Start-up Testing	07NOV07	0		104		0.00	0.00
920.005	Punch list,Cmplt PTP's,Reconfig, Rm temp Hi-pot	31AUG07	37	23OCT07	114		0.00	0.00
920.010	Field Coil Testsing,FCPC test & E-Beam Mapping	07NOV07	25	13DEC07	104		0.00	0.00
920.020	Final ISTP	14DEC07	7	01JAN08	104		0.00	0.00
920.021	Operations Approval	02JAN08	3	04JAN08	104		0.00	0.00
730.9000	First Plasma		0	04JAN08	104		0.00	0.00
M-0120	CD-4		0	30MAY08*	0		0.00	0.00



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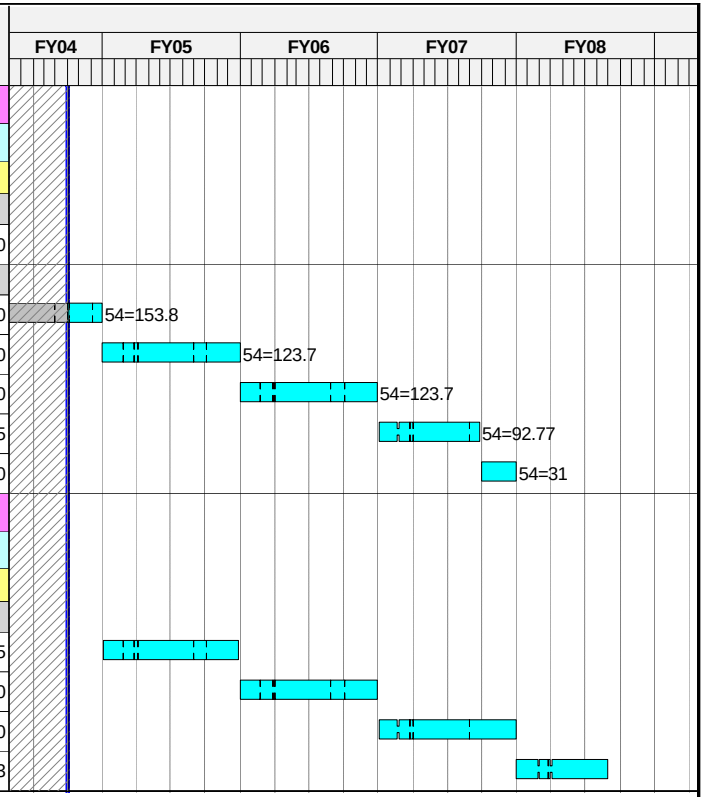
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP14 CD-3 Plan
Allocations								
PPPL Allocations								
Job: 8998 - Allocations								
FY03 Actual Cost								
99.03	Apr-Sept MIE Cost PPPL	**01APR03A**	*128**	**30SEP03A**		***100***	***60,670.00***	60,670.00
99.04	PPPL Allocations FY04	**01OCT03A**	*256**	**30SEP04**	***1,283***	***LOE***	***199,440.15***	265,920.20
99.05	PPPL Allocations FY05	**01OCT04***	*255**	**30SEP05**	***1,028***		***0.00***	214,990.60
99.06	PPPL Allocations FY06	**03OCT05***	*254**	**29SEP06**	***774***		***0.00***	214,619.50
99.07	PPPL Allocations FY07	**02OCT06***	*190**	**29JUN07**	***519***		***0.00***	170,232.95
99.07X	PPPL Allocations FY07	**02JUL07***	*65**	**28SEP07**	***519***		***0.00***	56,885.00
Contingency								
Contingency								
99.105	Contingency	**04OCT04***	*253**	**29SEP05**	***1,029***		***0.00***	1,409,006.25
99.106	Contingency	**03OCT05***	*254**	**29SEP06**	***774***		***0.00***	3,000,006.50
99.107	Contingency	**02OCT06***	*255**	**28SEP07**	***519***		***0.00***	5,602,000.00
99.108	Contingency	**01OCT07***	*171**	**30MAY08**	***348***		***0.00***	3,449,002.93



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