


Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08											
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		0	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		0	319,050.00																																																												
1201-003	Apr-MSept MIE Cost PPPL	01APR03A	47	30SEP03A		0	105,370.00																																																												
1201-500	WBS 12 & 14 PDR		0	07OCT03A		0	0.00																																																												
Job: 1202 - Vacuum Vessel R&D - VIOLA																																																																			
FY03 Actual Cost																																																																			
1202-002	Apr-Sept MIE Cost ORNL	01APR03A	47	30SEP03A		0	60.00																																																												
1202-003	Apr-Sept MIE Cost PPPL	01APR03A	47	30SEP03A		0	128,340.00																																																												
Vessel Weld Joint R&D																																																																			
1203-405	Field Weld joint design and Specific spool piece	01DEC03A	107*	30APR04A		40	38,607.00	Field Weld joint design and Specific spool piece																																																											
1202-800	Inconnel Procurement *ECP6*	01APR04A	10	09APR04A		40	1,783.60																																																												
1202-803	Drawings for Arc/Samples *ECP6*	12APR04A	10	16APR04A		40	3,230.00																																																												
1202-806	Waterjet Arcs *ECP6*	19APR04A	2	22APR04A		40	1,228.80																																																												
1202-809	Machine weld groove *ECP6*	23APR04A	5	26APR04A		40	3,369.60	Machine weld groove *ECP6*																																																											
1202-812	Anneal Samples *ECP6*	27APR04A	2	28APR04A		40	1,684.80	Anneal Samples *ECP6*																																																											
1202-815	Setup weld test *ECP6*	29APR04A	4	30APR04A		40	1,228.80	Setup weld test *ECP6*																																																											
1202-818	Weld samples *ECP6*	03MAY04A	6	10MAY04A		40	2,527.20	Weld samples *ECP6*																																																											
1202-821	Eval & Redesign Joint iteration 2 *ECP6*	01JUN04A	5	07JUN04A		40	3,230.00	Eval & Redesign Joint iteration 2 *ECP6*																																																											
1202-824	Machine iteration 2 *ECP6*	01JUL04	7*	12JUL04	693	40	3,369.60	Machine iteration 2 *ECP6*																																																											
1202-827	Anneal iteration 2 *ECP6*	13JUL04	2	14JUL04	693	40	1,684.80	Anneal iteration 2 *ECP6*																																																											
1202-830	Weld iteration 2 *ECP6*	15JUL04	3	19JUL04	693	40	2,527.20	Weld iteration 2 *ECP6*																																																											
1202-833	Eval & redesign joint iteration 3 *ECP6*	20JUL04	4	23JUL04	693	40	3,230.00	Eval & redesign joint iteration 3 *ECP6*																																																											
1202-836	Machine iteration 3 *ECP6*	26JUL04	4	29JUL04	693	40	3,369.60	Machine iteration 3 *ECP6*																																																											
1202-839	Anneal iteration 3 *ECP6*	30JUL04	5	05AUG04	693	40	1,684.80	Anneal iteration 3 *ECP6*																																																											
1202-842	Weld iteration 3 *ECP6*	06AUG04	4	11AUG04	693	40	2,527.20	Weld iteration 3 *ECP6*																																																											
1202-845	SOW for full size test sample *ECP6*	24MAR04A	28*	28APR04A		40	6,460.00	SOW for full size test sample *ECP6*																																																											

Run Date 31AUG04 12:43

 CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

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NCSX
CD-3 Baseline

Sheet 1 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04					FY05					FY06					FY07					FY08				
1202-848	Bid,eval,award full size test sample *ECP6*	29APR04A	57*	20JUL04	667	40	1,615.00						Bid,eval,award full size test sample *ECP6*																			
1202-851	vendor fab & deliver full size sample *ECP6*	21JUL04	42	17SEP04	667	40	78,055.00						vendor fab & deliver full size sample *ECP6*																			
1202-854	Instrument sample *ECP6*	20SEP04	11	04OCT04	667	40	5,776.31						Instrument sample *ECP6*																			
1202-857	Perform welds on sample *ECP6*	05OCT04	5	11OCT04	667	40	8,664.00						Perform welds on sample *ECP6*																			
1202-860	Measure Results *ECP6*	12OCT04	6	19OCT04	667	40	3,986.40						Measure Results *ECP6*																			
1202-863	Report Results *ECP6*	20OCT04	5	26OCT04	667	40	3,986.40						Report Results *ECP6*																			
1202-866	Engineering Oversight *ECP6*	03MAR04A	149*	30SEP04	1,290	40	18,249.50						Engineering Oversight *ECP6*																			
VV Subcontractor Oversight																																
1202-400	Oversight and Contract Management	01OCT03A	79*	02JAN04A		40	62,738.00																									
1202-401	Oversight and Contract Management	05JAN04A	63*	31MAR04A		40	48,687.50																									
1202-402	Oversight and Contract Management	01APR04A	85*	30JUL04	1,302	40	18,572.50						Oversight and Contract Management																			
Major Tool Subcontract (S04344F)																																
1202-303	MT-Issue VVSA MIT/QA plans and C&S Est (3.1)	02JUN03A	0*	13JUN03A		0	17,153.60																									
1202-305	MT-Issue Draft MIT/QA plan (3.2.1)	13JUN03A	15	27JUN03A		0	10,050.56																									
1202-310	MT-Incorp Comments & Reissue MIT/QA Plan (3.2.1)	10JUL03A	0*	17JUL03A		0	0.00																									
1202-315	Fiinalize SOW/contract & Release MT for PVVS Fab	18JUL03A	52*	15AUG03A		0	0.00																									
1202-320	MT-PPPL Fabrication Release		0	15AUG03A		0	0.00																									
1202-324	MT-PVVS Begin Fabrication (3.2.2)	18AUG03A	56*	30SEP03A		0	368,464.16																									
1202-325	MT-PVVS Complete Fabrication (3.2.2) [A/ 1]	10NOV03A	122*	23APR04A		40	375,115.28																									
1202-325.1	Major Tool VVSA Prototype Received		0	23APR04A		40	0.00						Major Tool VVSA Prototype Received																			
1202-325A	Vist MT for welding	01APR04A	3	01APR04A		40	2,584.00																									
1202-326	Prep Inspection Plan for MT PVVS	30APR04A	5	30APR04A		40	0.00						Prep Inspection Plan for MT PVVS																			
1202-327	PPPL Receipt Inspection of MT PVVS	14JUN04A	5	18JUN04A		40	14,148.00						PPPL Receipt Inspection of MT PVVS																			
1202-328	Prep Inspection Report of MT PVVS	01JUL04	5	08JUL04	1,318	40	0.00						Prep Inspection Report of MT PVVS																			
1202-330	MT-Final MIT/QA plans for VVSA (3.3.1)	01JUL04	15*	22JUL04	318	40	6,370.00						MT-Final MIT/QA plans for VVSA (3.3.1)																			
1202-335	MT-Firm Fixed Price Proposal for VVSA (3.3.2)	01JUL04	15*	22JUL04	318	40	6,370.00						MT-Firm Fixed Price Proposal for VVSA (3.3.2)																			
1202-335.1	Major Tool VVSA Price Proposal Received		0	22JUL04	317	40	0.00						Major Tool VVSA Price Proposal Received																			
Rohwedder Subcontract (S04345F)																																
1202-403	RW-Issue VVSA MIT/QA plans and C&S Est (3.1)	02JUN03A	0*	13JUN03A		0	71,888.08																									
1202-405	RW-Issue Draft MIT/QA plan (3.2.1)	13JUN03A	76*	27JUN03A		0	19,352.16																									
1202-410	RW-Incorp Comments&Reissue MIT/QA Plan (3.2.1)	10JUL03A	0*	17JUL03A		0	0.00																									
1202-415	Fiinalize SOW/contract & Release MT for PVVS Fab	18JUL03A	52*	15AUG03A		0	0.00																									
1202-420	RW-PPPL Fabrication Release		0	15AUG03A		0	0.00																									

Run Date 31AUG04 12:43

CD-3 Proposed Baseline
Progress Bar
Critical Activity

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NCSX CD-3 Baseline

Sheet 2 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08											
1202-424	RW-PVVS Begin Fabrication (3.2.2)	18AUG03A	131*	30SEP03A		0	143,280.88																																																												
1202-424A	RW identify fabricator	01DEC03A	1	15DEC03A		40	0.00																																																												
1202-424B	PPPL approve new fabricator	16DEC03A	1	31DEC03A		40	0.00																																																												
1202-424D	PPPL visit fabricator (Jan)	01JAN04A	2	30JAN04A		40	0.00																																																												
1202-424E	PPPL visit fabricator (Feb)	01MAR04A	2	31MAR04A		40	0.00																																																												
1202-425	RW-PVVS Complete Fabrication (3.2.2)	01OCT03A	170	28MAY04A		40	311,059.84																																																												
1202-425.1	Rohwedder VVSA Prototype Received		0	08JUN04A		40	0.00																																																												
1202-426	Prep Inspection Plan for RW PVVS	07JUN04A	5	08JUN04A		40	0.00																																																												
1202-427	PPPL Receipt Inspection of RW PVVS	08JUN04A	10	21JUN04A		40	14,148.00																																																												
1202-428	Prep Inspection Report of RW PVVS	01JUL04	5	08JUL04	1,318	40	0.00																																																												
1202-430	RW-Final MIT/QA plans for VVSA (3.3.1)	01JUL04	15*	22JUL04	318	40	23,709.14																																																												
1202-435	RW-Firm Fixed Price Proposal for VVSA (3.3.2)	01JUL04	15*	22JUL04	318	40	15,122.38																																																												
1202-435.1	Rohwedder VVSA Price Proposal Received		0	22JUL04	317	40	0.00																																																												
Job: 1203 - Vacuum Vessel Final Dsn-GORANSON																																																																			
Closeout PDR Design Deliverables																																																																			
1203-101	Prepare documents for PDR closeout	03NOV03A	62*	30JAN04A		40	7,721.40																																																												
1203-111	Response to chits, prepare FY04 WP/WAF/Checklist	01OCT03A	25	31OCT03A		40	7,721.40																																																												
1203-121	Review, revise, and approve SRD	01NOV03A	169*			40	7,721.40																																																												
1203-131	Complete preliminary design of insulation and he	10NOV03A	122*	31MAR04A		40	11,582.10																																																												
PDR Recommendations																																																																			
1203-400	350c Bakeout Study	03NOV03A	94*	31DEC03A		40	25,738.00																																																												
1203-401	Analysis & testing of tube attachment method	01DEC03A	20	31DEC03A		40	0.00																																																												
1203-402	Determine thermal expansion vv to mcc clearance	01NOV03A	39*	31DEC03A		40	0.00																																																												
1203-403	Determine cost of fabrication	01DEC03A	20	31DEC03A		40	0.00																																																												
1203-404	DECISION TO PROCEED WITH 350c BAKEOUT		0	31DEC03A		40	0.00																																																												
Final Design Tasks																																																																			
121-000	Evaluate port ext & welding**PDR #10 & 11 &24	01JUL04*	162	28FEB05	1,161	30	11,973.12																																																												
1203-141	Finalize Spec for VVSA	01MAR04A	87*	30JUN04A		40	18,067.60																																																												
1203-151	Update VVSA Drawings incl ECP6 add'l port config	01DEC03A	149*	30JUN04A		40	202,403.63																																																												
1203-181	Start Thermal Analyses	01NOV03A	82*	30JAN04A		40	23,012.76																																																												
1203-191	Start Eddy Current Analyses	03NOV03A	87*	30JAN04A		40	3,536.05																																																												
1203-202	Start Port Nozzle Analysis	02JAN04A	63*	30JAN04A		40	5,142.40																																																												
1203-233	Check structural analysis	26APR04A	25*	28MAY04A		40	12,638.08																																																												
1203-235	Perform Local Thermal Analysis	02FEB04A	65*	30APR04A		40	15,442.80																																																												

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08											
1203-236	Check Local Thermal Analysis	02FEB04A	65*	30APR04A		40	15,442.80	█												█												█												█												█											
1203-237	Perform Thermal-Hydraulic Analysis VV htg/clng	02FEB04A	65*	30APR04A		40	10,295.20	█												█												█												█												█											
1203-238	Check Thermal-Hydraulic Analysis VV htg/clng	02FEB04A	65*	30APR04A		40	12,856.00	█												█												█												█												█											
1203-240	Check Analysis of VV Supports	26APR04A	25*	28MAY04A		40	5,147.60	█												█												█												█												█											
1203-291	Update Design Basis Document	20APR04A	29*	18MAY04A		40	2,059.04	█												█												█												█												█											
1203-321	Assemble FDR Drawing Package, Check & Promote	03MAY04A	20*	18MAY04A		40	4,118.08	█												█												█												█												█											
1203-331	Prepare Presentations	03MAY04A	20*	18MAY04A		40	12,869.00	█												█												█												█												█											
1203-341	Conduct VVSA FDR		0	19MAY04A		40	0.00	█												█												█												█												█											
1203-311	Prepare Final Design ECP	24MAY04A	10	28MAY04A		40	3,088.56	█												█												█												█												█											
1203-161	Finalize & Sign All ICDs	17NOV03A	223*	30SEP04	481	40	15,442.80	█												█												█												█												█											
1203-201	Update/Perform FMECA Analyses	01MAR04A	151*	30SEP04	481	40	5,147.60	█												█												█												█												█											
1203-232	Structural Analysis of Vac Vsl	01MAR04A	97*	15JUL04	535	40	77,136.00	█												█												█												█												█											
1203-234	Perform Global Seismic Analysis	01MAR04A	108*	30JUL04	524	40	37,914.24	█												█												█												█												█											
1203-239	Perform Analysis of VV Supports	01MAR04A	97*	15JUL04	535	40	10,295.20	█												█												█												█												█											
1203-241	Check FMECA Analyses	01JUL04*	64*	30SEP04	481	40	0.00	█												█												█												█												█											
1203-261	Provide Input to FP assy, Install & Startup Plan	01OCT03A	256*	30SEP04	481	40	12,869.00	█												█												█												█												█											
1203-301	Update Cost and Schedule Estimates	01SEP04*	21*	30SEP04	1,283	40	3,088.56	█												█												█												█												█											
1203-361	Final Design of Insulation and Heating/Cooling	03NOV03A	233*	28FEB05	378	40	31,105.24	█												█												█												█												█											
125-001	Prelim design WBS 125 local I&C	01JUL04*	79	21OCT04	367	30	10,349.21	█												█												█												█												█											
1203-271	Develop Assembly & Installation Procedures	01JUL04*	167*	28FEB05	378	40	44,133.45	█												█												█												█												█											
122-011	Final design WBS 122 Thermal insulation	01JUN04A	189*	28FEB05	378	32	42,660.52	█												█												█												█												█											
124-011	Final design WBS 124 VV supports	01JUL04*	167*	28FEB05	378	30	21,574.43	█												█												█												█												█											
125-011	Final design WBS 125 local I&C	22OCT04	99	15MAR05	367	30	11,156.90	█												█												█												█												█											
1203-900	Comprehensive WBS 12 FDR		0	15MAR05	367	40	0.00	█												█												█												█												█											
Vacuum Vessel Vendor Selection																																																																			
121-6-6	Finalize tech Doc package & Resolve chits	01JUN04A	0*	30JUN04A		40	1,286.90	█												█												█												█												█											
121-6-8	Evaluate and Select VV Production Vendor	23JUL04	1*	23JUL04	311	40	2,901.90	█												█												█												█												█											
121-6-83	Negotiate with vendor	26JUL04	6*	02AUG04	311	40	1,615.00	█												█												█												█												█											
121-6-85	DOE Approve VV Selection & contract	03AUG04	11	17AUG04	311	40	0.00	█												█												█												█												█											
121-6-9	Award VV Production Vendor (Phase funded)		0	24AUG04	311	40	0.00	█												█												█												█												█											
121-36-9.2	Release for Fabrication		0	20SEP04*	298	40	0.00	█												█												█												█												█											

Run Date 31AUG04 12:43

 CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

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NCSX CD-3 Baseline

Sheet 4 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04								FY05								FY06								FY07								FY08																																															
								Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4																																									
Job:1204 - WBS 12 Title III, Procure,Fabricate																																																																																							
121-031	VVSA Title III engr	21MAY04A	639*	22NOV06	736	40	239,002.54	VVSA Title III engr																																																																															
121-038	FABRICATE VVSA	01OCT04*	290*	18NOV05	296	10	2,875,784.48	FABRICATE VVSA																																																																															
121-038A	>>>>>>> Additional Ports (ECP 8)	01OCT04*	290*	18NOV05	296	10	240,000.00	>>>>>>> Additional Ports (ECP 8)																																																																															
121-038.0	***** VVSA FFP increase (preim as of 8/24)	01OCT04	290*	18NOV05	296	10	1,567,660.00	***** VVSA FFP increase (preim as of 8/24)																																																																															
121-038P	FAB VVSA NB ports**reduced 3 to 1	01OCT04*	242	13SEP05	1,041	40	64,600.00	FAB VVSA NB ports**reduced 3 to 1																																																																															
121-038.1	Vacuum Vessel Delivered		0	18NOV05	296	40	0.00	▽ Vacuum Vessel Delivered																																																																															
121-038B	>>>>>> Port Extensions (ECP 8)**deleted scope	07SEP04*	313	29NOV05	988	40	0.00	>>>>>> Port Extensions (ECP 8)**deleted scope																																																																															
122-030	SPEA VV Thermal Insulation	05JUL05	65	03OCT05	225	30	0.00	SPEA VV Thermal Insulation																																																																															
122-036.9	Award VV Insulation		0	03OCT05*	225	32	0.00	▽ Award VV Insulation																																																																															
122-037	VV Insulation Procurement WBS 122	04OCT05*	105	03MAR06	225	32	110,493.05	VV Insulation Procurement WBS 122																																																																															
122-031	Title III engr WBS 122	24JUN05	176	03MAR06	922	32	21,460.89	Title III engr WBS 122																																																																															
123-030	SPEA VV Heating & Cooling	01JUL05	65	30SEP05	226	30	0.00	SPEA VV Heating & Cooling																																																																															
123-036.9	Award VV Heating/Cooling Distribution		0	30SEP05	226	32	0.00	▽ Award VV Heating/Cooling Distribution																																																																															
123-037	VV Heating/Cooling Distr Procurement WBS 123	03OCT05*	65	05JAN06	226	32	321,760.80	VV Heating/Cooling Distr Procurement WBS 123																																																																															
123-041	VV Heating/Cooling Fab/Assy WBS 123	06JAN06	40	02MAR06	226	32	14,744.50	VV Heating/Cooling Fab/Assy WBS 123																																																																															
123-031	Title III engr WBS 123	24JUN05	135	05JAN06	963	32	8,194.72	Title III engr WBS 123																																																																															
124-030	SPEA VV Supports	08JUL05	65	06OCT05	281	30	0.00	SPEA VV Supports																																																																															
124-036.9	Award VV Supports		0	06OCT05	281	30	0.00	▽ Award VV Supports																																																																															
124-037	VV Supports Procurement WBS 124	07OCT05*	100	01MAR06	281	30	31,450.50	VV Supports Procurement WBS 124																																																																															
124-041	VV Supports Fab/assy WBS 124	02MAR06	20	29MAR06	281	30	660.60	VV Supports Fab/assy WBS 124																																																																															
124-031	Title III engr WBS 124	08JUL05	165	01MAR06	924	30	8,940.72	Title III engr WBS 124																																																																															
125-015	Title III design Local I&C	03OCT05*	61	29DEC05	363	30	2,608.38	Title III design Local I&C																																																																															
125-037	Procurement Local I&C	04OCT05*	60	29DEC05	363	30	3,132.00	Procurement Local I&C																																																																															
13 - Conventional Coils																																																																																							
Job: 1301 - Conventional Coils Prel Design-KALISH																																																																																							
FY03 Actual Cost																																																																																							
1301-0002	Apr-Sept MIE Cost ORNL	01APR03A	64*	30SEP03A		0	0.00																																																																																
1301-0003	Apr-Sept MIE Cost PPPL	01APR03A	64*	30SEP03A		0	91,660.00																																																																																
Material Property Analysis & Testing																																																																																							
1301-300	Investigate Experimental Data *ECP6*	12APR04A	5	16APR04A		24	642.80																																																																																
1301-303	Prepare Test Reqmnts *ECP6*	19APR04A	61*	14JUL04	1,285	24	1,607.00	Prepare Test Reqmnts *ECP6*																																																																															
1301-306	Testing on 2D glass,CTD *ECP6*	16AUG04*	19*	10SEP04	1,263	24	0.00	Testing on 2D glass,CTD *ECP6*																																																																															

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04					FY05					FY06					FY07					FY08																			
								Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart																			
1301-309	Re-evaluate Analysis *ECP6*	27SEP04*	10*	08OCT04	1,253	24	6,370.00	Re-evaluate Analysis *ECP6*																																							
1301-312	Choose 3D or 2D glass *ECP6*	22JUL04*	2*	23JUL04	225	24	1,285.60	Choose 3D or 2D glass *ECP6*																																							
1301-315	Re-evaluate Failure Criteria *ECP6*	01JUL04*	6	09JUL04	1,307	24	1,607.00	Re-evaluate Failure Criteria *ECP6*																																							
1301-318	Evaluate 3D glass *ECP6*	05APR04A	5	09APR04A		24	642.80	Evaluate 3D glass *ECP6*																																							
1301-321	Order Sample Materials *ECP6*	26JUL04	30	03SEP04	225	24	5,750.40	Order Sample Materials *ECP6*																																							
1301-324	Build Samples *ECP6*	07SEP04	15	27SEP04	225	24	18,645.00	Build Samples *ECP6*																																							
1301-327	Cryo Test for Coil Sample *ECP6*	28SEP04	15	18OCT04	225	24	14,839.80	Cryo Test for Coil Sample *ECP6*																																							
1402-004	Subcontract analysis support for PDR	01OCT03A	41*	26NOV03A		0	5,096.00	Subcontract analysis support for PDR																																							
1402-005	VV/MCC PDR support	01OCT03A	37*	31OCT03A		0	4,178.20	VV/MCC PDR support																																							
1301-100	Prepare Scope Sheet to define interfaces	03NOV03A	200*	23AUG04	1,286	24	9,642.00	Prepare Scope Sheet to define interfaces																																							
1301-105	Prepare Interface Dwgs for ICD's	01DEC03A	182*	23AUG04	231	24	4,821.00	Prepare Interface Dwgs for ICD's																																							
1301-110	Finalize ICDs	01MAY04A	79*	23AUG04	231	24	4,821.00	Finalize ICDs																																							
1301-115	Update design Basis Document	01MAY04A	79*	23AUG04	231	24	7,231.50	Update design Basis Document																																							
1301-120	Finalize SRD	01MAY04A	42*	30JUN04A		24	4,821.00	Finalize SRD																																							
1301-140	Complete Draft SOW	02JAN04A	10	15JAN04A		24	4,821.00	Complete Draft SOW																																							
1301-145	Post Draft SOW on WEB to Solicit Vendr Input	16JAN04A	2	19JAN04A		24	1,285.60	Post Draft SOW on WEB to Solicit Vendr Input																																							
1301-150	Vendor Responses	02FEB04A	102*	30APR04A		24	7,231.50	Vendor Responses																																							
1301-155	Trim Coil Layouts	01OCT03A	59*	23DEC03A		24	55,762.90	Trim Coil Layouts																																							
1301-160	Trim Coil Leads	01DEC03A	140*	30JAN04A		24	7,070.80	Trim Coil Leads																																							
1301-165	PF1-PF3 Support System Layouts	01DEC03A	15	30JAN04A		24	21,373.10	PF1-PF3 Support System Layouts																																							
163-001	Title I design CS sprt struc	01DEC03A	268*	04JAN05	342	32	58,794.69	Title I design CS sprt struc																																							
1301-170	New Lead Details	01DEC03A	10	23DEC03A		24	14,141.60	New Lead Details																																							
1301-175	Iterate & Finalize Design	02JAN04A	169*	27AUG04	227	24	29,568.80	Iterate & Finalize Design																																							
1301-180	Update ANSYS model & structure	03NOV03A	142*	27FEB04A		24	8,294.62	Update ANSYS model & structure																																							
1301-185	FEA Analysis Coils, Stress deflection	01DEC03A	123*	28MAY04A		24	12,272.40	FEA Analysis Coils, Stress deflection																																							
1301-195	Seismic Analysis	26NOV03A	104*	30APR04A		24	12,272.40	Seismic Analysis																																							
1301-125	Update Cost and Schedule	01MAY04A	83*	27AUG04	227	24	9,642.00	Update Cost and Schedule																																							
1301-130	Prepare for PDR	01JUL04	41*	27AUG04	227	24	7,713.60	Prepare for PDR																																							
1301-135	TF Coil PDR		0	30AUG04*	226	24	0.00	TF Coil PDR																																							
1301-190	FEA Analysis PF Supports, Stress Deflection	01MAR04A	108*	30JUL04	1,302	24	12,272.40	FEA Analysis PF Supports, Stress Deflection																																							
133-010	Title I design WBS 134 Conv Coil I&C	01OCT04*	59*	04JAN05	342	20	15,198.40	Title I design WBS 134 Conv Coil I&C																																							
1301-136	PF Coil PDR		0	04JAN05*	342	24	0.00	PF Coil PDR																																							

Run Date 31AUG04 12:43 |
 CD-3 Proposed Baseline ██████████ |
 Progress Bar ██████████ |
 Critical Activity ██████████

ZZZZ NCSX Sheet 6 of 52
CD-3 Baseline

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04								FY05								FY06								FY07								FY08																																															
								Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4																																									
Job: 1303 - WBS 13 Final Design -KALISH																																																																																							
131-011	Title II design WBS 131 TF coils	31AUG04*	33*	15OCT04	226	24	101,333.75	■ Title II design WBS 131 TF coils																																																																															
131-012	WBS 13 TF FDR		0	18OCT04	225	24	0.00	▼ WBS 13 TF FDR																																																																															
141-011	Title II design WBS 132 PF coils	05JAN05	126	30JUN05	342	24	167,006.83	■ Title II design WBS 132 PF coils																																																																															
163-011	Title II design CS sprt struc	05JAN05	126	30JUN05	342	32	53,216.38	■ Title II design CS sprt struc																																																																															
133-011	Title II design WBS 134 Conv Coil I&C	05JAN05	126	30JUN05	342	20	15,198.40	■ Title II design WBS 134 Conv Coil I&C																																																																															
184-011	Title II dsn WBS 133 Ext trim coils**eliminated	05JAN05	127*	01JUL05	413	40	39,983.57	■ Title II dsn WBS 133 Ext trim coils**eliminated																																																																															
141-012	WBS 13 PF/CS SPRT FDR		0	30JUN05	342	24	0.00	▼ WBS 13 PF/CS SPRT FDR																																																																															
Job: 1304 - WBS 13 Procure/Fab/Title III-KALISH																																																																																							
TF Coils																																																																																							
131-034	Bid & Award TF Coils	20OCT04*	45	23DEC04	224	24	0.00	■ Bid & Award TF Coils																																																																															
131-035	TF Coils Awarded		0	23MAY05*	124	24	0.00	▼ TF Coils Awarded																																																																															
131-037	TF Coil Procurement [A/1]	24JUN05	425	09FEB07	104	24	1,243,527.05	■ TF Coil Procurement [A/1]																																																																															
131-037A	TF Coil cost correction	06FEB06	241	09JAN07	127	24	82,184.05	■ TF Coil cost correction																																																																															
131-038	All TF Coils Delivered		0	09JAN07	127	24	0.00	▼ All TF Coils Delivered																																																																															
131-031	Title III engr	24MAY05*	433	19FEB07	668	24	133,099.90	■ Title III engr																																																																															
PF Coils																																																																																							
141-035	Bid & Award PF Coils	17JUL06*	45	18SEP06	127	24	0.00	■ Bid & Award PF Coils																																																																															
141-036	PF Coils Awarded		0	18SEP06	127	24	0.00	▼ PF Coils Awarded																																																																															
143-037	PF 4 Procurement [A/1]	19SEP06	155	03MAY07	131	24	229,738.40	■ PF 4 Procurement [A/1]																																																																															
144-037	PF 5 Procurement [A/1]	19SEP06	155	03MAY07	131	24	244,431.48	■ PF 5 Procurement [A/1]																																																																															
145-037	PF 6 Procurement [A/1]	19SEP06	155	03MAY07	131	24	216,157.66	■ PF 6 Procurement [A/1]																																																																															
141-037	PF OH Solenoid Procurement PF1 [A/1]	19SEP06*	205	16JUL07	127	24	175,679.33	■ PF OH Solenoid Procurement PF1 [A/1]																																																																															
141B-037	PF OH Solenoid Procurement PF2 [A/1]	19SEP06*	205	16JUL07	127	24	140,008.14	■ PF OH Solenoid Procurement PF2 [A/1]																																																																															
142-037	PF OH Solenoid Procurement PF3 [A/1]	19SEP06*	205	16JUL07	127	24	148,739.20	■ PF OH Solenoid Procurement PF3 [A/1]																																																																															
141-031	Title III engr WBS 132	17JUL06*	268	09AUG07	547	24	146,202.43	■ Title III engr WBS 132																																																																															
CS Support Structure																																																																																							
163-035	Bid & Award CS Support Struct	05MAY06	45	10JUL06	132	24	0.00	■ Bid & Award CS Support Struct																																																																															
163-036.9	Award CS Support Structure		0	10JUL06*	132	32	0.00	▼ Award CS Support Structure																																																																															
163-037	CS Support Structure Procurement/Fab	11JUL06*	249	09JUL07	132	32	197,767.54	■ CS Support Structure Procurement/Fab																																																																															
163-015	Title III design CS sprt struc	05MAY06	294	09JUL07	570	32	58,372.06	■ Title III design CS sprt struc																																																																															
Trim Coils																																																																																							
184-035	Bid & Award Ext Trim Coils	19JUN06	45	21AUG06	129	24	0.00	■ Bid & Award Ext Trim Coils																																																																															

Run Date 31AUG04 12:43



Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08											
184-036	Award External Trim Coils		0	21AUG06*	129	40	0.00																																					Award External Trim Coils																							
184-037	External Trim Coil Procurement/Fab	22AUG06	87	02JAN07	129	40	281,732.73																																					External Trim Coil Procurement/Fab																							
184-015	Title III WBS 133 Rxt Trim Coils	19JUN06	147	23JAN07	687	40	59,432.33																																					Title III WBS 133 Rxt Trim Coils																							
TF/PF Load I&C																																																																			
133-015	Title III WBS 134 Conv Coil I&C	09OCT06*	130	18APR07	626	20	3,857.28																																					Title III WBS 134 Conv Coil I&C																							
133-037	Conv Coil I&C WBS 134 Proc & Install	02OCT06*	130	11APR07	193	20	69,497.70																																					Conv Coil I&C WBS 134 Proc & Install																							
14 - Modular Coils																																																																			
Job: 1401 - Mod Coil Prel.Dsn-WILLIAMSON																																																																			
FY03 Actual Cost																																																																			
1401-002	Apr-Sept MIE Cost ORNL	01APR03A	64*	30SEP03A		0	303,040.00																																																												
1401-003	Apr-Sept MIE Cost PPPL	01APR03A	64*	30SEP03A		0	0.00																																																												
Job: 1402 - Mod.Coil Analyses-WILLIAMSON																																																																			
FY03 Actual Cost																																																																			
1402-002	Apr-Sept MIE Cost ORNL	01APR03A	64*	30SEP03A		0	84,220.00																																																												
1402-003	Apr-Sept MIE Cost PPPL	01APR03A	64*	30SEP03A		0	154,920.00																																																												
Job: 1403 - WBS 14 Final Design-WILLIAMSON																																																																			
PDR/PBR Prep																																																																			
1403-04	Plan response to PDR chits	01OCT03A	23	31OCT03A		40	2,573.80																																																												
1403-05	Prepare FY04 WP / WAF / Checklists	08OCT03A	21	14OCT03A		40	2,573.80																																																												
1403-06	Prepare documents for PDR closeout	15OCT03A	52*	24DEC03A		40	10,295.20																																																												
1403-07	Prepare PBR documentation	31OCT03A	19*	18NOV03A		40	2,573.80																																																												
1403-08	Performance Baseline Review		0	18NOV03A		40	0.00																																																												
Requirements/Config and Interfaces																																																																			
1403-10	Review, revise, and approve SRD	15OCT03A	160	28MAY04A		40	2,573.80																																					Review, revise, and approve SRD																							
1403-13	Finalize winding pack ref xsec, conductor dims	15OCT03A	45*	26NOV03A		40	2,573.80																																																												
1403-14	Revise winding form and windings/asm models	15OCT03A	75*	30JAN04A		40	41,309.49																																																												
Analysis - Thermal & Electrical																																																																			
1403-21	Document electrical, insulation parameters	15OCT03A	56*	19DEC03A		40	2,573.80																																																												
1403-22	Update thermal analysis to current WP design	22OCT03A	51*	19DEC03A		40	5,147.60																																																												
1403-23	Update thermo-hydraulic analysis of coils	01DEC03A	127*	18MAY04A		40	6,428.00																																					Update thermo-hydraulic analysis of coils																							
1403-25	Check EM loads calculation for ref scenarios	02FEB04A	85*	18MAY04A		40	5,147.60																																					Check EM loads calculation for ref scenarios																							
1403-26	Perform scan of EM fault load conditions	01DEC03A	127*	18MAY04A		40	10,295.20																																					Perform scan of EM fault load conditions																							
1403-26.1	Check thermal & electrical calculations	02FEB04A	85*	18MAY04A		40	10,295.20																																					Check thermal & electrical calculations																							
Analysis - Structural																																																																			
141TITLE2P	PDR #1,4,26 Access,Tolerance Budget,Bolting	01MAR04A	65*	18MAY04A		30	26,896.21																																					PDR #1,4,26 Access,Tolerance Budget,Bolting																							

Run Date 31AUG04 12:43

 CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

ZZZZ

NCSX CD-3 Baseline

Sheet 8 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04					FY05					FY06					FY07					FY08				
1403-29	Complete ANSYS model of coil structure asm	15OCT03A	160*	18MAY04A		40	160,700.00						Complete ANSYS model of coil structure asm																			
1403-30	Analyze global stress /deflect winding form asm	31OCT03A	148*	18MAY04A		40	16,070.00						Analyze global stress /deflect winding form asm																			
1403-31	Analyze stress in bolted connections	01MAR04A	65*	18MAY04A		40	6,428.00						Analyze stress in bolted connections																			
1403-32	Update MECHANICA model of 3 coil types	15OCT03A	160*	18MAY04A		40	10,295.20						Update MECHANICA model of 3 coil types																			
1403-33	Anlyz wind pack deflect/stress fo thrml, EM lds	01MAR04A	65*	18MAY04A		40	5,147.60						Anlyz wind pack deflect/stress fo thrml, EM lds																			
1403-34	Analyze and optimize clamp locations	01MAR04A	55*	30APR04A		40	5,147.60						Analyze and optimize clamp locations																			
1403-35	Perform supporting analysis for material tests	15OCT03A	150*	30APR04A		40	16,727.62						Perform supporting analysis for material tests																			
1403-36	Update EM loads for reference scenarios	01MAR04A	55*	30APR04A		40	10,357.62						Update EM loads for reference scenarios																			
1403-37	Perform check og global structural analysis	01MAR04A	65*	18MAY04A		40	16,727.62						Perform check og global structural analysis																			
1403-38	Check nonlinear winding pack analysis	01MAR04A	65*	18MAY04A		40	10,357.62						Check nonlinear winding pack analysis																			
1403-39	Analyze gravity, equip, seismic loading	01MAR04A	65*	18MAY04A		40	6,428.00						Analyze gravity, equip, seismic loading																			
1403-40	Analyze combined loads and fault conditions	01MAR04A	65*	18MAY04A		40	6,428.00						Analyze combined loads and fault conditions																			
1403-40.1	Check Structural Calculations	02FEB04A	107*	18MAY04A		40	9,265.68						Check Structural Calculations																			
1403-40.1A	Prepare plate element model of coil structure	01MAR04A	65*	18MAY04A		40	9,265.68						Prepare plate element model of coil structure																			
1403-40.1B	Confirm global deflection/stress, re-inf of shel	02FEB04A	85*	18MAY04A		40	10,295.20						Confirm global deflection/stress, re-inf of shel																			
1403-40.1C	Check all struct calculations	01MAR04A	65*	18MAY04A		40	9,265.68						Check all struct calculations																			
1403-40.2A	Develop multi-filament model of all coils	01MAR04A	65*	18MAY04A		40	3,088.56						Develop multi-filament model of all coils																			
1403-40.2B	Confirm Plasma performance & surface quality	26APR04A	25*	18MAY04A		40	3,856.80						Confirm Plasma performance & surface quality																			
1403-40.2C	Model expected deflections under thermal/EM load	26APR04A	25*	18MAY04A		40	6,177.12						Model expected deflections under thermal/EM load																			
1403-40.2D	Confirm plasma performance & surface quality	26APR04A	25*	18MAY04A		40	7,713.60						Confirm plasma performance & surface quality																			
1403-41	Prepare structural analysis report	26APR04A	25*	18MAY04A		40	18,531.36						Prepare structural analysis report																			
Winding Form FDR Prep																																
1403-03	Increase for actual cost of Final Design ECP 11	15OCT03A	118*	30JUN04A		40	358,000.00						Increase for actual cost of Final Design ECP 11																			
1403-43	Incorporate changes due to prototype fabr	01MAR04A	22*	31MAR04A		40	10,423.89																									
1403-47	Prepare failure modes assessment (FMECA)	26APR04A	68*	19MAY04A		40	4,504.15						Prepare failure modes assessment (FMECA)																			
1403-50	Prepare FDR documentation / presentations	01MAY04A	9	18MAY04A		40	10,295.20						Prepare FDR documentation / presentations																			
1403-50.2	Prepare Prelim Bid Package	23APR04A	0*	23APR04A		40	0.00						Prepare Prelim Bid Package																			
1403-50.5	Prelim Bid Package Released		0	23APR04A		40	0.00						Prelim Bid Package Released																			
1403-51	MCWF FDR		0	19MAY04A		40	0.00						MCWF FDR																			
C-081.1	JOULE MILESTONE #4 - CD-3 Readiness		0	24AUG04	311	40	0.00						JOULE MILESTONE #4 - CD-3 Readiness																			
MCWF Procurement																																
1403-53	Resolve FDR comments and recommendations	01JUN04A	43*	30JUL04	1,326	40	15,442.80						Resolve FDR comments and recommendations																			
1403-54	Final bid package(specs,models,dwgs)	09JUN04A	17*	30JUN04A		40	8,109.32						Final bid package(specs,models,dwgs)																			

Run Date 31AUG04 12:43

CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

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NCSX CD-3 Baseline

Sheet 9 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04 FY05 FY06 FY07 FY08										
								FY04					FY05					FY06
1403-20.2	Resolve FDR chits	16NOV04	10	01DEC04	1,241	40	11,756.20											
1403-70.05	Update MIT/QA Plans for Type C Winding Fab	16NOV04	20	15DEC04	225	40	2,817.40											
1403-59	Update build-to specifications	16NOV04	30	30DEC04	221	40	16,904.40											
1403-20.1	Mod Coil Type C Fab Preparedness Review		0	13APR05*	148	40	0.00											
Winding and Assembly Design-Type A													FY06	FY07	FY08			
1403-300	Winding & Insulation Dwgs (8)-Type A	01OCT04*	95	16FEB05	266	40	5,916.54											
1403-301	Leads & crossover Dwgs (10)-Type A	01OCT04*	95	16FEB05	266	40	7,325.24											
1403-302	G-10 Filler Dwgs (24)-Type A	01OCT04*	95	16FEB05	266	40	17,749.62											
1403-303	Clamp Dwgs (5)-Type A	01OCT04*	95	16FEB05	266	40	3,662.62											
1403-304	Chill Plate Dwgs (66)-Type A	01OCT04*	95	16FEB05	266	40	48,741.02											
1403-305	Installation Dwgs (1)-Type A	01OCT04*	95	16FEB05	266	40	845.22											
1403-306	Cooling Schematic Dwgs (1)-Type A	01OCT04*	95	16FEB05	266	40	845.22											
1403-307	Electrical Schematic Dwgs (1)-Type A	01OCT04*	95	16FEB05	266	40	845.22											
1403-308	I&C Dwgs (1) -Type A	01OCT04*	95	16FEB05	251	40	845.22											
1403-58A	Check and promote models / drawings -Type A	17FEB05*	15	09MAR05	251	40	19,017.45											
1403-71	FDR Production Type A Mod Coil Winding		0	09MAR05*	251	40	0.00											
1403-71.05	Update MIT/QA Plans for Type C Winding Fab	10MAR05	20	06APR05	282	40	2,817.40											
1403-71.1	Fab Readiness Review - Production Type A		0	06APR05	282	40	0.00											
Winding and Assembly Design-Type B													FY06	FY07	FY08			
1403-400	Winding & Insulation Dwgs (8)-Type B	01MAR05*	95	13JUL05	313	40	5,916.54											
1403-401	Leads & crossover Dwgs (10)-Type B	01MAR05*	95	13JUL05	313	40	7,325.24											
1403-402	G-10 Filler Dwgs (24)-Type B	01MAR05*	95	13JUL05	313	40	17,749.62											
1403-403	Clamp Dwgs (5)-Type B	01MAR05*	95	13JUL05	313	40	3,662.62											
1403-404	Chill Plate Dwgs (66)-TypeB	01MAR05*	95	13JUL05	313	40	48,741.02											
1403-405	Installation Dwgs (1)-Type B	01MAR05*	95	13JUL05	313	40	845.22											
1403-406	Cooling Schematic Dwgs (1)-Type B	01MAR05*	95	13JUL05	313	40	845.22											
1403-407	Electrical Schematic Dwgs (1)-Type B	01MAR05*	95	13JUL05	313	40	845.22											
1403-408	I&C Dwgs (1) -Type B	01MAR05*	95	13JUL05	298	40	845.22											
1403-58B	Check and promote models / drawings -Type B	14JUL05*	15	03AUG05	298	40	19,017.45											
1403-72	Final Design Review Production Type B		0	03AUG05	298	40	0.00											
1403-72.05	Update MIT/QA Plans for Type C Winding Fab	04AUG05	20	31AUG05	308	40	2,817.40											
1403-72.1	Fab Readiness Review - Production Type B		0	31AUG05	308	40	0.00											

Run Date 31AUG04 12:43






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**NCSX
CD-3 Baseline**

Sheet 11 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08											
EIO Subcontract (S04341F)																																																																			
1404-100	EIO-Cost FY03	01MAY03A	10	30SEP03A		0	307,170.24																																																												
1404-105	EIO-FY04 Cost Through June 30,2004 ECP 11	01OCT03A	10*	30JUN04A		0	571,337.28																																																												
1404-106	EIO- July forecast ECP 11	01JUL04*	21*	30JUL04	1,302	0	68,000.00																																																												
1404-107	EIO-Suspend Prototype work ECP 11		0	30JUL04	1,302	0	0.00																																																												
1404-80	Fixed price proposal ECP 11 for 1st casting	01JUL04*	21*	30JUL04	148	40	0.00																																																												
1404-80.1	EIO MCWF 1st casting proposal Received ECP 11		0	30JUL04	148	40	0.00																																																												
1404-109	EIO-Balance of budgeted funds ECP 11	27SEP04*	4*	30SEP04	1,259	0	0.00																																																												
3010	Vendor #1 Contract Amended	01JUL04	21*	30JUL04	147		0.00																																																												
3020	Vendor #1 Padding/Modeling (task #1)	02AUG04	10	13AUG04	147		254,000.00																																																												
3030	Vendor #1 Flow Solidification Modeling (task #1)	16AUG04	10	27AUG04	147		0.00																																																												
3040	Vendor #1 Build molds (task #2)	30AUG04	13	16SEP04	147		0.00																																																												
3050	Vendor #1 Pour Casting &demold C-1 (task #3)ecp8	17SEP04	10	30SEP04	147		0.00																																																												
1404-80.2	Pre-production Casting &demold C-1 (task #3)ecp8	13SEP04*	10	24SEP04	1,287		75,000.00																																																												
JP Pattern Subcontract (S04340F)																																																																			
1404-200	JPP- cost FY03	01MAY03A	10	30SEP03A		0	92,170.40																																																												
1404-205	JPP-FY04 Cost Through June 30,2004 ECP 11	01OCT03A	10*	30JUN04A		0	417,120.34																																																												
1404-206	JPP- July forecast ECP 11	01JUL04*	21*	30JUL04	1,302	0	143,372.50																																																												
1404-94	Fixed price proposal ECP 11 for 1st casting	01JUL04*	21*	30JUL04	148	40	0.00																																																												
1404-94.1	JPP MCWF 1st casting proposal received ECP 11		0	30JUL04	148	40	0.00																																																												
3110	Vendor #2 Contract Amended	01JUL04	21*	30JUL04	147		20,000.00																																																												
3120	Vendor #2 Padding/Modeling	02AUG04	10	13AUG04	147		0.00																																																												
3130	Vendor #2 Flow Solidification Model	16AUG04	10	27AUG04	147		0.00																																																												
3140	Vendor #2 Build Molds	30AUG04	13	16SEP04	147		0.00																																																												
3150	Vendor #2 Pour Casting & demold C-1 (task #3)	17SEP04	10	30SEP04	147		0.00																																																												
1404-209	JPP-Balance of budgeted funds less 100k ECP 11	27SEP04*	4*	30SEP04	1,259	0	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	0.00																																																												
1405-003	Apr-Sep YTD MIE Cost PPPL	01APR03A	64*	30MAY03A		0	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		0	0.00																																																												
1406-0003	Apr-Sep YTD MIE Cost PPPL	01APR03A	64*	30SEP03A		0	831,120.00																																																												

 CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08											
Oversight & Supervision																																																																			
1406-049	Increased cost of FDR support ECP 11	01OCT03A	20	28MAY04A		40	292,000.00													Increased cost of FDR support ECP 11																																															
1406-000	Supervision & Oversight	01OCT03A	180	28MAY04A		40	106,644.80													Supervision & Oversight																																															
1406-000.1	Supervision & Oversight	01JUN04A	86*	30SEP04	1,259	40	114,912.00													Supervision & Oversight																																															
1406-000.2	Supervision & Oversight	01OCT04*	36*	19NOV04	1,223	40	52,600.00													Supervision & Oversight																																															
1406-048	Testing & Strain Gauge Design	01OCT03A	20	31OCT03A		40	24,253.50																																																												
Keystone R&D																																																																			
1406-001	Purchase 10 spools conductor (twisted racetrack)	03NOV03A	40*	23DEC03A		40	7,644.00																																																												
1406-003	Purchase 8 spools conductor (long twisted windin	03NOV03A	40*	23DEC03A		40	7,644.00																																																												
1406-005	Purchase epoxy & Insulation	03NOV03A	163*	30JUN04A		40	5,516.42													Purchase epoxy & Insulation																																															
1406-010	Keystone Test for New Conductor	02JAN04A	41*	27FEB04A		40	6,144.00																																																												
1406-011	Purchase add'l copper Conductor	01MAR04A	45*	30APR04A		40	8,918.00													Purchase add'l copper Conductor																																															
Twisted Racetrack Design (Williamson)																																																																			
1406-097	Verify Conductor Dims	01OCT03A	3	03OCT03A		40	2,573.80																																																												
1406-098	Complete Drawings of Casting	13OCT03A	21	26NOV03A		40	15,442.80																																																												
1406-099	Review/Approve Casting Drawings	26NOV03A	10	26NOV03A		40	15,442.80																																																												
1406-105	Prepare ANSYS thermal analysis model	31OCT03A	3	31OCT03A		40	2,573.80																																																												
1406-106	Analyze Thermal Behavior due to pulse	31OCT03A	3	31OCT03A		40	2,573.80																																																												
1406-107	Calculate EM Loads due to max current	03NOV03A	3	26NOV03A		40	5,147.60																																																												
1406-108	Prep MECHANICA Struct Analysis Model	03NOV03A	3	26NOV03A		40	5,147.60																																																												
1406-109	Analyze Stress/deflection due to cooldown,pulse	03NOV03A	5	26NOV03A		40	5,147.60																																																												
1406-104	Prepare Draft of Coil Test Plan	01OCT03A	229*	31AUG04	288	40	5,147.60													Prepare Draft of Coil Test Plan																																															
1406-110	Finalize, Approve coil test plan	01DEC03A	188*	31AUG04	288	40	10,295.20													Finalize, Approve coil test plan																																															
1406-101	Prepare Clamp & Chill Plate detail Drawings	14MAY04A	54*	30JUL04	190	40	50,703.86													Prepare Clamp & Chill Plate detail Drawings																																															
1406-101.1	Winding block dwgs for prototype leads	01JUN04A	43*	30JUL04	190	40	20,590.40													Winding block dwgs for prototype leads																																															
1406-102	Review/Approve Clamp& Chill Plate Dwgs	01JUN04A	44*	02AUG04	189	40	18,788.74													Review/Approve Clamp& Chill Plate Dwgs																																															
1406-103.0	Prep MIT plan	01JUL04*	22	02AUG04	189	40	0.00													Prep MIT plan																																															
1406-103.1	Prepare for Twisted Racetrack FDR	03AUG04	10	16AUG04	189	40	15,442.80													Prepare for Twisted Racetrack FDR																																															
1406-103.2	Twisted Racetrack FDR		0	16AUG04	189	40	0.00													Twisted Racetrack FDR																																															
1406-103.3	Resolve TRC FDR Issues	17AUG04	10	30AUG04	1,281	40	0.00													Resolve TRC FDR Issues																																															
Twisted Racetrack Fabrication & Winding (Chrzano)																																																																			
1406-014	Bid, Evaluate and Award Casting to EIO or JPP	01DEC03A	28	23DEC03A		40	0.00																																																												
1406-016.5	PPPL Fabricate TRC Cladding	03AUG04*	20	30AUG04	151	40	3,117.20													PPPL Fabricate TRC Cladding																																															
1406-016.6	PPPL Fabricate TRC Chill plates	17AUG04	40	12OCT04	189	40	2,811.96													PPPL Fabricate TRC Chill plates																																															

Run Date 31AUG04 12:43

	CD-3 Proposed Baseline
	Progress Bar
	Critical Activity



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NCSX CD-3 Baseline

Sheet 14 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08											
1406-58	fab MC lead braze specimens	26JUL04	5	30JUL04	219	40	3,072.00	fab MC lead braze specimens																																																											
"inchworm" Twisted Winding																																																																			
1406-119	Join straight sections w/2 end loops	01OCT03A	79*	30JAN04A		40	31,590.00																																																												
1406-120	Wind Conductor	30JAN04A	86*	28MAY04A		40	18,432.00	Wind Conductor																																																											
1406-040	JOULE MILESTONE #2-Begin winding on 3D surface	30JAN04A	0			40	0.00																																																												
Job: 1407 -Mod Coil Winding Facility-CHRZANOWSKI																																																																			
FY03 Actual Cost																																																																			
1407-001	Apr-Sep YTD MIE Cost PPPL	01APR03A	64*	30SEP03A		0	267,550.00																																																												
Oversight and Supervision																																																																			
1407-002	Winding Facility, Tooling, Materials Oversight	01OCT03A	186*	28MAY04A		34	170,204.20	Winding Facility, Tooling, Materials Oversight																																																											
1407.002.2	Winding Facility, Tooling, Materials Oversight	01JUN04A	86*	30SEP04	1,259	34	113,623.20	Winding Facility, Tooling, Materials Oversight																																																											
1407.002.3	Winding Facility, Tooling, Materials Oversight	01OCT04*	11*	15OCT04	1,248	34	2,643.20	Winding Facility, Tooling, Materials Oversight																																																											
1407-002.1	Prep Winding Facility Ops Plan(reqd for TRT FRR)	01JUL04	10	15JUL04	1,313	34	0.00	Prep Winding Facility Ops Plan(reqd for TRT FRR)																																																											
Autoclave																																																																			
1407-005	Domes & cylinder Fab & Deliver (PE4226)	01DEC03A	18	23DEC03A		34	20,167.42																																																												
1407-006.2	Blower/Elec HW- Fab & Deliver (PE 4218)	31OCT03A	18	31OCT03A		34	509.60																																																												
1407-008	Remaining Autoclave components-Deliver	01OCT03A	49	31MAR04A		34	11,466.00																																																												
1407-011	Fabricate Autoclave	01OCT03A	128*	31MAR04A		34	163,036.80																																																												
1407-011.1	Autoclave assembly	01JUL04*	26*	06AUG04	249	34	18,432.00	Autoclave assembly																																																											
1407-011.2	Rebuild vacuum pumps (2)	02AUG04*	15	20AUG04	239	34	18,432.00	Rebuild vacuum pumps (2)																																																											
1407-012	Autoclave PTP	23AUG04*	5	27AUG04	239	34	8,668.80	Autoclave PTP																																																											
1407.011.3	Fab & Install vacuum lines	02AUG04*	15	20AUG04	239	34	18,432.00	Fab & Install vacuum lines																																																											
1407.011.4	Instl insulation on autoclave	02AUG04*	14	19AUG04	240	34	17,203.20	Instl insulation on autoclave																																																											
1407.011.5	Write autoclave PTP	01JUN04A	9	14JUL04	266	34	841.60	Write autoclave PTP																																																											
1407-013	Autoclave ACC review		0	10SEP04*	236	34	0.00	Autoclave ACC review																																																											
Area Preparation																																																																			
1407-200	Decon TFTR test Cell Crane	26NOV03A	20	26NOV03A		34	18,432.00																																																												
1407-202	Setup facility stations	01MAR04A	118*	28MAY04A		34	29,161.80	Setup facility stations																																																											
1407-204	Build cleanrooms (2) locations	02FEB04A	128*	28MAY04A		34	92,352.50	Build cleanrooms (2) locations																																																											
1407-204.2	Build cleanroom (1 add'l) **2nd line**	02FEB04A	171*	28MAY04A		28	32,595.00	Build cleanroom (1 add'l) **2nd line**																																																											
Design Activities																																																																			
1407-003	Winding Facility, Tooling, Design	01OCT03A	207*	28MAY04A		34	115,614.80	Winding Facility, Tooling, Design																																																											
1407-003.1	Facility Drawings	01JUN04A	14*	18JUN04A		34	10,520.00	Facility Drawings																																																											
1407-003.2	Final Drawings for winding clamps	21JUN04A	10*	30JUN04A		34	8,416.00	Final Drawings for winding clamps																																																											

Run Date 31AUG04 12:43

 CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

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NCSX CD-3 Baseline

Sheet 16 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	Fiscal Year								
								FY04	FY05	FY06	FY07	FY08				
Epoxy																
1408-111	Epoxy -Spec & Requisition	16JUL04*	3*	20JUL04	396	40	0.00									
1408-114	Epoxy -Evaluate Bids & Award	21JUL04	15	10AUG04	396	40	0.00									
1408-117	Epoxy -1st Delivery for Production	01AUG05*	20	26AUG05	150	40	19,380.00									
1408-119	Epoxy -2nd Delivery for Production	03OCT05*	20	28OCT05	125	40	19,575.00									
1408-121	Epoxy -3rd Delivery for Production	31OCT05	20	29NOV05	125	40	19,575.00									
1408-123	Epoxy -4th Delivery for Production	30NOV05*	20	28DEC05	168	40	19,575.00									
1408-125	Epoxy -5th Delivery for Production	29DEC05*	20	26JAN06	214	40	19,575.00									
1408-127	Epoxy -6th Delivery for Production	27JAN06*	20	23FEB06	243	40	19,575.00									
Insulation for conductor																
1408-101	Insulation-Spec & Requisition	09JUL04*	3*	13JUL04	257	40	0.00									
1408-103	Insulation-Prep & Issue RFQ/RFP	14JUL04	10	27JUL04	257	40	0.00									
1408-104	Insulation-Evaluate Bids & Award	28JUL04	5	03AUG04	257	40	0.00									
1408-107	Insulation-Delivery for Production	04AUG04	47	08OCT04	257	40	45,220.00									
Copper Conductor																
1408-141	Copper Conductor -Spec & Requisition	13JUL04*	3*	15JUL04	261	40	2,571.20									
1408-142	Copper Conductor -Prep & Issue RFQ/RFP	16JUL04	10	29JUL04	261	40	0.00									
1408-143	Copper Conductor -Evaluate Bids & Award	30JUL04	5	05AUG04	261	40	0.00									
1408-143.1	Mod Coil Copper Conductor Awarded		0	05AUG04	261	40	0.00									
1408-147	Copper Conductor -Delivery #1	06AUG04	61*	01NOV04	261	40	103,360.00									
1408-145	Copper Conductor -Delivery #2	03OCT05*	41	30NOV05	136	40	104,400.00									
1408-146	Copper Conductor -Delivery #3	06FEB06*	41	03APR06	179	40	104,400.00									
Chill Plates,Cladding&Tubing																
1408-131L	Chill Plates -Spec & Requisition	16NOV04	10	01DEC04	149	40	0.00									
1408-133L	Chill plates -Bid & Award Material	02DEC04	20	30DEC04	149	40	0.00									
1408-137L	Chill plates ,cladsding,tubing Fab Type C	31DEC04	150	02AUG05	149	40	45,672.00									
1408-138L	Chill plates ,cladsding,tubing Fab Type A	03AUG05*	180	17APR06	149	40	46,206.30									
1408-139L	Chill plates ,cladsding,tubing Fab Type B	18APR06*	85	16AUG06	149	40	46,374.00									
G-11 Filler																
1408-153	G-11 Filler Fabrication - Production Type C	16NOV04	180	02AUG05	149	40	84,436.00									
1408-154	G-11 Filler Fabrication - Production Type A	03AUG05*	150	06MAR06	149	40	85,406.85									
1408-155	G-11 Filler Fabrication - Production Type B	07MAR06*	105	02AUG06	149	40	85,797.00									
Lead hardware																
1408-163	Lead hardware Fabrication - Production Type C	16NOV04	130	20MAY05	201	40	85,728.00									


Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08																							
1408-164	Lead hardware Fabrication - Production Type A	03OCT05*	130	06APR06	126	40	87,102.00																									█												Lead hardware Fabrication - Production Type A																																			
1408-165	Lead hardware Fabrication - Production Type B	07APR06*	105	04SEP06	126	40	87,102.00																									█												Lead hardware Fabrication - Production Type B																																			
Other																																																																															
1408-137	Safety & Disposable supplies	01OCT04*	359*	01MAR06	241	40	19,436.49	█																								█												Safety & Disposable supplies																																			
1408-138	Misc. Supplies	01OCT04*	255*	30SEP05	390	40	15,504.00	█																								█												Misc. Supplies																																			
1408-173	Epoxy for Shell Mold (CTD-540)	01OCT04*	250	23SEP05	253	40	23,256.00	█																								█												Epoxy for Shell Mold (CTD-540)																																			
1408-183	Tubing (Chem flor and Poly)	01OCT04*	65	05JAN05	218	40	45,220.00	█																								█												Tubing (Chem flor and Poly)																																			
1408-184	Vulcanizing tape, felt and RTV	01OCT04*	65	05JAN05	218	40	28,424.00	█																								█												Vulcanizing tape, felt and RTV																																			
1408-185	Valves and Fittings	01OCT04*	65	05JAN05	218	40	19,380.00	█																								█												Valves and Fittings																																			
1408-186	Manifolds	01OCT04*	127	01APR05	253	40	80,292.00	█																								█												Manifolds																																			
Clamps																																																																															
1408-131P	Clamps -Spec & Requisition	16NOV04	10	01DEC04	314	40	0.00																									█												Clamps -Spec & Requisition																																			
1408-133P	Clamps -Bid & Award	02DEC04	20	30DEC04	314	40	0.00																									█												Clamps -Bid & Award																																			
1408-137P	Clamps Production Type C	31DEC04	100	20MAY05	314	40	116,280.00																									█												Clamps Production Type C																																			
1408-138P	Clamps Production Type A	03OCT05*	100	23FEB06	221	40	117,450.00																									█												Clamps Production Type A																																			
1408-139P	Clamps Production Type B	24FEB06	100	17JUL06	221	40	117,450.00																									█												Clamps Production Type B																																			
Groundwrap Insulation																																																																															
1408-110	Grndwrap Insulation-Spec & Requisition	09JUL04*	3	13JUL04	256	40	0.00																									█												Grndwrap Insulation-Spec & Requisition																																			
1408-112	Grndwrap-Bid & Award	27JUL04*	3	29JUL04	247	40	0.00																									█												Grndwrap-Bid & Award																																			
1408-112.1	Grndwrap-Delivery	30JUL04	50	08OCT04	247	40	25,523.20																									█												Grndwrap-Delivery																																			
1408-999	**Increased scope for 3 winding lines	01JUL04	50	10SEP04	1,297	40	68,514.20																									█												**Increased scope for 3 winding lines																																			
Job: 1409 - Mod. Coil Test Stand-GETTELFINGER																																																																															
Test Stand																																																																															
1409-000	FY04 Oct-Mar	20OCT03A	66*	31MAR04A		34	215,830.82																																																																								
1409-026	Install Electrical	01JAN04A	94*	31MAR04A		34	0.00																																																																								
1409-030	Generate I2T Reqmnts	23FEB04A	16	15MAR04A		34	0.00																																																																								
1409-036	Define N2 Ejection Scheme	23FEB04A	2	24FEB04A		34	0.00																																																																								
1409-038	Plan/Procure N2 Ejection Scheme	25FEB04A	14	15MAR04A		34	0.00																																																																								
1409-029	Oversight/Supervision	01APR04A	134*	08OCT04	261	34	35,061.08																									█												Oversight/Supervision																																			
1409-025	Complete Design **ECP-6**\$ incr*	01APR04A	0*	30APR04A		34	26,931.20																									█												Complete Design **ECP-6**\$ incr*																																			
1409-032	Design I2T Protection **ECP-6**\$ incr*	01APR04A	0*	30APR04A		34	6,028.00																									█												Design I2T Protection **ECP-6**\$ incr*																																			
1409-034	Fabricate I2T Cards **ECP-6**\$ incr*	01APR04A	42*	28MAY04A		34	15,795.00																									█												Fabricate I2T Cards **ECP-6**\$ incr*																																			
1409-040	Install N2 Ejection Scheme **ECP-6**\$ incr*	01MAY04A	49*	12JUL04	308	34	12,740.00																									█												Install N2 Ejection Scheme **ECP-6**\$ incr*																																			

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY										
								FY04	FY05	FY06	FY07	FY08						
1409-027	Cryo Line Installation	03MAY04A	86*	01SEP04	271	34	28,053.00		Cryo Line Installation									
1409-110	ES&H Peer Review	05APR04A	1	05APR04A		34	0.00											
1409-100	Design Controls Modifications **ECP-6*new scope*	08APR04A	37*	28MAY04A		34	46,696.80		Design Controls Modifications **ECP-6*new scope*									
1409-120	Install Control Modifications **ECP-6*new scope*	01MAY04A	42*	30JUN04A		34	12,288.00		Install Control Modifications **ECP-6*new scope*									
1409-044	Final Design & Oper Preparedness Rvw **ECP-6*new*	01JUL04*	1	01JUL04	314	34	0.00		Final Design & Oper Preparedness Rvw **ECP-6*new*									
1409-028	System Testing **ECP-6**\$ incr*	02SEP04	9*	15SEP04	271	34	17,912.00		System Testing **ECP-6**\$ incr*									
1409-046	Facility (simply cooled) Available**ECP-6**\$ inc		0	15SEP04	271	34	0.00		Facility (simply cooled) Available**ECP-6**\$ inc									
1409-140	Design Closed Loop LN2 System **ECP-6*new scope*	06JUL04*	7*	14JUL04	1,314	34	0.00		Design Closed Loop LN2 System **ECP-6*new scope*									
1409-130	Cryostat (specimen shroud) dsn **ECP-6*new scope	01SEP04*	15*	22SEP04	261	34	6,460.00		Cryostat (specimen shroud) dsn **ECP-6*new scope									
1409-145	Peer rvw closed loop LN2 syst **ECP-6*new scope	14JUL04*	1	14JUL04	274	34	0.00		Peer rvw closed loop LN2 syst **ECP-6*new scope									
1409-150	Proc Mat'l's/pump f/closed LN2 **ECP-6*new scope	15JUL04	41	10SEP04	274	34	19,110.00		Proc Mat'l's/pump f/closed LN2 **ECP-6*new scope									
1409-155	Fab/Instl Closed Loop LN2 sys **ECP-6*new scope	09SEP04*	15*	29SEP04	261	34	12,636.00		Fab/Instl Closed Loop LN2 sys **ECP-6*new scope									
1409-135	Cryostat (specimen shroud) Fabr**ECP-6*new scope	23SEP04*	12*	08OCT04	261	34	22,178.00		Cryostat (specimen shroud) Fabr**ECP-6*new scope									
1409-160	Test Closed Loop Cooling**ECP-6*new scope	30SEP04	7	08OCT04	261	34	3,147.43		Test Closed Loop Cooling**ECP-6*new scope									
1409-165	Closed Loop Facility Available**ECP-6*new scope		0	08OCT04	261	34	0.00		Closed Loop Facility Available**ECP-6*new scope									
Job: 1410 Mod Coil Prototype Winding-CHRZANOWSKI																		
Prototype Winding																		
141-3-44	>>> NO PROTOTYPE WINDING	01OCT04*	1	01OCT04	1,258	40	1.65		>>> NO PROTOTYPE WINDING PLANNED<<<<<<<<<ECP 11									
Job: 1411-Modular Coil Casting Fab-HEITZENROEDER																		
Type C Castings																		
172-031	Title III engr	24MAY04A	647	25SEP06	765	40	139,956.54		Title III engr									
172-037	MCWF FAB	01NOV04*	484*	14SEP06	785	40	0.00		MCWF FAB									
1064	upfront production cost (prelim as of 8/24)	01OCT04*	136*	15APR05	1,154	10	2,967,060.00		upfront production cost (prelim as of 8/24)									
1065	Inspect & Weld Repair C-1	01NOV04*	25	07DEC04	126	10	0.00		Inspect & Weld Repair C-1									
1070.1	Machine First Poloidal Break C-1	08DEC04	25	14JAN05	126	10	0.00		Machine First Poloidal Break C-1									
1070.2	Machine Flanges & Bolt Holes C-1	17JAN05	25	18FEB05	126	10	0.00		Machine Flanges & Bolt Holes C-1									
1070.3	Machine Tee C-1	21FEB05	37	12APR05	126	10	0.00		Machine Tee C-1									
1071	Ship C-1 to PPPL	09MAY05*	5	13MAY05	108	10	305,360.00		Ship C-1 to PPPL									
C-121.1	First MCWF Delivered		0	13MAY05	116	10	0.00		First MCWF Delivered									
1074	Build mold C-2	15OCT04*	15	04NOV04	155	10	0.00		Build mold C-2									
1075	Pour C-2	05NOV04	20	06DEC04	155	10	0.00		Pour C-2									
1080	Inspect & Weld Repair C-2	08DEC04	20	07JAN05	154	10	0.00		Inspect & Weld Repair C-2									
1090.1	Machine First Poloidal Break C-2	17JAN05	20	11FEB05	149	10	0.00		Machine First Poloidal Break C-2									
1090.2	Machine Flanges & Bolt Holes C-2	21FEB05	20	18MAR05	144	10	0.00		Machine Flanges & Bolt Holes C-2									

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08											
1090.3	Machine Tee C-2	13APR05	19	09MAY05	127	10	0.00																																																												
1092	Ship C-2 to PPPL	06JUN05	5	10JUN05	108	10	305,360.00																																																												
1091	Second Casting Delivered to PPPL		0	10JUN05	108	10	0.00																																																												
1094	Build mold C-3	05NOV04	10	18NOV04	195	10	0.00																																																												
1095	Pour C-3	07DEC04	10	20DEC04	185	10	0.00																																																												
1100	Inspect & Weld Repair C-3	10JAN05	18	02FEB05	174	10	0.00																																																												
1110.1	Machine First Poloidal Break C-3	14FEB05	15	04MAR05	167	10	0.00																																																												
1110.2	Machine Flanges & Bolt Holes C-3	21MAR05	15	08APR05	157	10	0.00																																																												
1110.3	Machine Tee C-3	10MAY05*	19	03JUN05	136	10	0.00																																																												
1112	Ship C-3 to PPPL	04JUL05	5	08JUL05	116	10	305,360.00																																																												
1111	Third Casting Delivered to PPPL		0	08JUL05	116	10	0.00																																																												
C-321	Castings-C-4	11JUL05	19	04AUG05	131	10	305,360.00																																																												
C-401	Castings-C-5	09AUG05	19	02SEP05	131	10	305,360.00																																																												
C-461	Castings-C-6	07SEP05	19	03OCT05	131	10	305,360.00																																																												
Type B Castings																																																																			
C-141	Castings-B-1	06OCT05	19	01NOV05	131	10	305,360.00																																																												
C-201	Castings-B-2	02NOV05	19	28NOV05	131	10	305,360.00																																																												
C-281	Castings-B-3	01DEC05	19	27DEC05	131	10	305,360.00																																																												
C-341	Castings-B-4	30DEC05	19	25JAN06	131	10	305,360.00																																																												
C-421	Castings-B-5	30JAN06	19	23FEB06	131	10	305,360.00																																																												
C-481	Castings-B-6	28FEB06	19	24MAR06	131	10	305,360.00																																																												
Type A Castings																																																																			
C-161B	Castings-A-1	29MAR06	19	24APR06	131	10	305,360.00																																																												
C-221B	Castings-A-2	27APR06	19	23MAY06	131	10	305,360.00																																																												
C-301B	Castings-A-3	26MAY06	19	21JUN06	131	10	152,680.00																																																												
C-361B	Castings-A-4	22JUN06	19	18JUL06	131	10	152,680.00																																																												
C-441B	CastingsA-5	21JUL06	19	16AUG06	131	10	305,360.00																																																												
C-501B	Castings-A-6 (last MCC form delivered)	21AUG06	19	14SEP06	131	10	305,360.00																																																												
C-501B1	Last MCWF Delivered		0	14SEP06	131	10	0.00																																																												
Job: 1421 - Winding labor-CHRZANOWSKI																																																																			
Labor																																																																			
171-040	Winding Oversight (LOE)	16MAY05*	393	07DEC06	714	40	643,464.06																																																												
171-041	Modular Coil Winding (18 coils) **reduced est	16MAY05	409*	08JAN07	106	40	3,161,832.92																																																												
171-041CT	PBR Increment for cold testing	27OCT05	294*	08JAN07	106	28	440,206.97																																																												

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04				FY05				FY06				FY07				FY08							
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	40	0.00																								
P1-091	Receive C2, Prep& Instl Cladding(Station 1)	13JUN05	12	28JUN05	106	40	0.00																								
P2-001	Receive C3, Prep& Instl Cladding(Station 1)	11JUL05	12	26JUL05	113	40	0.00																								
P2-091	Receive C4, Prep& Instl Cladding(Station 1)	05AUG05	12	22AUG05	138	40	0.00																								
P3-001	Receive C5, Prep& Instl Cladding(Station 1)	06SEP05	12	21SEP05	129	40	0.00																								
P3-091	Receive C6, Prep& Instl Cladding(Station 1)	04OCT05	12	19OCT05	127	40	0.00																								
P1-031	Receive B-1, Prep& Instl Cladding(Station 1)	30NOV05	12	15DEC05	121	40	0.00																								
P1-121	Receive B-2, Prep& Instl Cladding(Station 1)	16DEC05	12	10JAN06	121	40	0.00																								
P2-031	Receive B-3, Prep& Instl Cladding(Station 1)	11JAN06	12	26JAN06	127	40	0.00																								
P2-121	Receive B-4, Prep& Instl Cladding(Station 1)	27JAN06	12	13FEB06	148	40	0.00																								
P3-031	Receive B-5, Prep& Instl Cladding(Station 1)	24FEB06	12	13MAR06	140	40	0.00																								
P3-121	Receive B-6, Prep& Instl Cladding(Station 1)	27MAR06	12	11APR06	137	40	0.00																								
P1-061	Receive A-1, Prep& Instl Cladding(Station 1A)	25APR06	12	10MAY06	151	40	0.00																								
P1-151	Receive A-2, Prep& Instl Cladding(Station 1A)	24MAY06	12	09JUN06	146	40	0.00																								
P2-061	Receive A-3, Prep& Instl Cladding(Station 1A)	22JUN06	12	10JUL06	138	40	0.00																								
P2-151	Receive A-4, Prep& Instl Cladding(Station 1A)	19JUL06	12	03AUG06	137	40	0.00																								
P3-061	Receive A-5, Prep& Instl Cladding(Station 1A)	17AUG06	12	01SEP06	128	40	0.00																								
P3-151	Receive A-6, Prep& Instl Cladding(Station 1A)	15SEP06	12	02OCT06	124	40	0.00																								
Station 2-Winding, Instl Chill Plates,Tubing,Bag																															
P1-011	Wind coil C-1 (station 2)	02JUN05*	49	10AUG05	113	40	0.00																								
P1-020	Instl Chill Plates,Tubing, Bag C1 (Station 2)	11AUG05	33	27SEP05	113	40	0.00																								
P2-101	Wind coil C-4 (station2)	28SEP05	38	18NOV05	113	40	0.00																								
P2-110	Instl Chill Plates,Tubing, Bag C4(Station 2)	21NOV05	25	04JAN06	113	40	0.00																								
P1-041	Wind coil B1 (station 2)	05JAN06	38	27FEB06	113	40	0.00																								
P1-050	Instl Chl Plates,Tubing, Bag B1(Station 2)	28FEB06	25	03APR06	113	40	0.00																								
P2-131	Wind coil B4 (station 2)	04APR06	38	25MAY06	113	40	0.00																								
P2-140	Instl Chl Plates,Tubing, Bag B4(Station 2) 2shft	26MAY06	12	13JUN06	113	40	0.00																								
P1-071	Wind coil A1 (station 2)**2 shift	19JUN06	16	11JUL06	125	40	0.00																								
P1-080	Instl Chl Plates,Tubing,Bag A1(Station 2)*2 shft	12JUL06	11	26JUL06	125	40	0.00																								
P2-161	Wind coil A4 (station 2) **2 shift	04AUG06	14	23AUG06	139	40	0.00																								
P2-170	Instl Chill Plates,Tubing,Bag A4Station2)*2 shft	24AUG06	10	07SEP06	139	40	0.00																								

Run Date 31AUG04 12:43



 CD-3 Proposed Baseline

 Progress Bar

 Critical Activity

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NCSX CD-3 Baseline

Sheet 22 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08											
Station 3-Winding, Instl Chill Plates,Tubing,Bag																																																																			
P1-101	Wind coil C-2(station 3)	29JUN05*	49	07SEP05	106	40	0.00																									Wind coil C-2(station 3)																																			
P1-110	Instl Chill Plates,Tubing, Bag C2 (Station 3)	08SEP05	33	24OCT05	106	40	0.00																									Instl Chill Plates,Tubing, Bag C2 (Station 3)																																			
P3-011	Wind coil C-5 (station 3)	25OCT05	38	19DEC05	106	40	0.00																									Wind coil C-5 (station 3)																																			
P3-020	Instl Chill Plates,Tubing, Bag C5 (Station 3)	20DEC05	25	31JAN06	106	40	0.00																									Instl Chill Plates,Tubing, Bag C5 (Station 3)																																			
P1-131	Wind coil B2 (station 3)	01FEB06	38	24MAR06	106	40	0.00																									Wind coil B2 (station 3)																																			
P1-140	Instl Chl Plates,Tubing, BagB2Station 3)	27MAR06	25	28APR06	106	40	0.00																									Instl Chl Plates,Tubing, BagB2Station 3)																																			
P3-041	Wind coil B5 (station 3)	01MAY06	38	22JUN06	106	40	0.00																									Wind coil B5 (station 3)																																			
P3-050	Instl Chl Plates,Tubing, BagB5Station 3)2 shft	23JUN06	12	11JUL06	106	40	0.00																									Instl Chl Plates,Tubing, BagB5Station 3)2 shft																																			
P1-161	Wind coil A2 (station 3) **2 shift	12JUL06	16	02AUG06	126	40	0.00																									Wind coil A2 (station 3) **2 shift																																			
P1-170	Instl Chill Plates,Tubing,Bag A2Station 3)*2shft	03AUG06	11	17AUG06	126	40	0.00																									Instl Chill Plates,Tubing,Bag A2Station 3)*2shft																																			
P3-071	Wind coil A5 (station 3) **2 shift	05SEP06	14	22SEP06	128	40	0.00																									Wind coil A5 (station 3) **2 shift																																			
P3-080	Instl Chill Plates,Tubing,Bag A5Station 3)*2shft	25SEP06	10	06OCT06	128	40	0.00																									Instl Chill Plates,Tubing,Bag A5Station 3)*2shft																																			
Station 4-Winding, Instl Chill Plates,Tubing,Bag																																																																			
P2-011	Wind coil C3 (station 4)	27JUL05	49	04OCT05	113	40	0.00																									Wind coil C3 (station 4)																																			
P2-020	Instl Chill Plates,Tubing, Bag C3 (Station 4)	05OCT05	25	08NOV05	113	40	0.00																									Instl Chill Plates,Tubing, Bag C3 (Station 4)																																			
P3-101	Wind coil C-6 (station 4)	09NOV05	38	11JAN06	113	40	0.00																									Wind coil C-6 (station 4)																																			
P3-110	Instl Chill Plates,Tubing, Bag C6 (Station 4)	12JAN06	25	15FEB06	113	40	0.00																									Instl Chill Plates,Tubing, Bag C6 (Station 4)																																			
P2-041	Wind coil B3 (station 4)	16FEB06	38	10APR06	113	40	0.00																									Wind coil B3 (station 4)																																			
P2-050	Instl Chl Plates,Tubing, Bag B3 (Station 4)	11APR06	25	15MAY06	113	40	0.00																									Instl Chl Plates,Tubing, Bag B3 (Station 4)																																			
P3-131	Wind coil B6 (station 4)	16MAY06	38	10JUL06	113	40	0.00																									Wind coil B6 (station 4)																																			
P3-140	Instl Chl Plates,Tubing, Bag B6 (Station 4)2shft	11JUL06	12	26JUL06	113	40	0.00																									Instl Chl Plates,Tubing, Bag B6 (Station 4)2shft																																			
P2-071	Wind coil A3 (station 4)**2 shift	27JUL06	16	17AUG06	126	40	0.00																									Wind coil A3 (station 4)**2 shift																																			
P2-080	Instl Chill Plates,Tubing,Bag A3(Station 4)2shft	18AUG06	11	01SEP06	126	40	0.00																									Instl Chill Plates,Tubing,Bag A3(Station 4)2shft																																			
P3-161	Wind coil A6 (station 4)** 2 shift	03OCT06	14	20OCT06	124	40	0.00																									Wind coil A6 (station 4)** 2 shift																																			
P3-170	Instl Chill Plates,Tubing,BagA6Station 4)**2shft	23OCT06	10	03NOV06	124	40	0.00																									Instl Chill Plates,Tubing,BagA6Station 4)**2shft																																			
Station 5-VPI																																																																			
P1-021V	VPI (Station 5) C1	28SEP05	14	17OCT05	165	40	0.00																									VPI (Station 5) C1																																			
P1-111V	VPI (Station 5) C2	25OCT05	14	11NOV05	160	40	0.00																									VPI (Station 5) C2																																			
P2-021V	VPI (Station 5) C3	14NOV05	14	05DEC05	160	40	0.00																									VPI (Station 5) C3																																			
P2-111V	VPI (Station 5) C4	05JAN06	14	24JAN06	144	40	0.00																									VPI (Station 5) C4																																			
P3-021V	VPI (Station 5) C5	01FEB06	13	17FEB06	139	40	0.00																									VPI (Station 5) C5																																			
P3-111V	VPI (Station 5) C6	20FEB06	13	08MAR06	139	40	0.00																									VPI (Station 5) C6																																			

Run Date 31AUG04 12:43

 CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

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NCSX CD-3 Baseline

Sheet 23 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08											
P1-051V	VPI (Station 5) B1	04APR06	12	19APR06	121	40	0.00																									VPI (Station 5) B1																																			
P1-141V	VPI (Station 5) B2	01MAY06	12	16MAY06	114	40	0.00																									VPI (Station 5) B2																																			
P2-051V	VPI (Station 5) B3	17MAY06	12	02JUN06	114	40	0.00																									VPI (Station 5) B3																																			
P2-141V	VPI (Station 5) B4	14JUN06	12	29JUN06	113	40	0.00																									VPI (Station 5) B4																																			
P3-051V	VPI (Station 5) B5	12JUL06	12	27JUL06	106	40	0.00																									VPI (Station 5) B5																																			
P3-141V	VPI (Station 5) B6	07AUG06	12	22AUG06	106	40	0.00																									VPI (Station 5) B6																																			
P1-081V	VPI (Station 5) A1	23AUG06	11	07SEP06	106	40	0.00																									VPI (Station 5) A1																																			
P1-171V	VPI (Station 5) A2	18SEP06	11	02OCT06	106	40	0.00																									VPI (Station 5) A2																																			
P2-081V	VPI (Station 5) A3	03OCT06	10	16OCT06	106	40	0.00																									VPI (Station 5) A3																																			
P3-081V	VPI (Station 5) A4	25OCT06	10	07NOV06	106	40	0.00																									VPI (Station 5) A4																																			
P2-171V	VPI (Station 5) A5	08NOV06	10	21NOV06	106	40	0.00																									VPI (Station 5) A5																																			
P3-171V	VPI (Station 5) A6	04DEC06	10	15DEC06	106	40	0.00																									VPI (Station 5) A6																																			
Station 1B Final Clamp Installation																																																																			
P1-021C	Install Clamps (Station1) C1	18OCT05	7	26OCT05	258	40	0.00																									Install Clamps (Station1) C1																																			
P1-111C	Install Clamps (Station1) C2	14NOV05	7	22NOV05	247	40	0.00																									Install Clamps (Station1) C2																																			
P2-021C	Install Clamps (Station1) C3	06DEC05	6	13DEC05	242	40	0.00																									Install Clamps (Station1) C3																																			
P2-111C	Install Clamps (Station1) C4	25JAN06	6	01FEB06	219	40	0.00																									Install Clamps (Station1) C4																																			
P3-021C	Install Clamps (Station1) C5	20FEB06	5	24FEB06	209	40	0.00																									Install Clamps (Station1) C5																																			
P3-111C	Install Clamps (Station1) C6	09MAR06	5	15MAR06	203	40	0.00																									Install Clamps (Station1) C6																																			
P1-051C	Install Clamps (Station1) B1	20APR06	5	26APR06	180	40	0.00																									Install Clamps (Station1) B1																																			
P1-141C	Install Clamps (Station1) B2	17MAY06	5	23MAY06	168	40	0.00																									Install Clamps (Station1) B2																																			
P2-051C	Install Clamps (Station1) B3	05JUN06	5	09JUN06	163	40	0.00																									Install Clamps (Station1) B3																																			
P2-141C	Install Clamps (Station1) B4	30JUN06	5	07JUL06	151	40	0.00																									Install Clamps (Station1) B4																																			
P3-051C	Install Clamps (Station1) B5	28JUL06	5	03AUG06	139	40	0.00																									Install Clamps (Station1) B5																																			
P3-141C	Install Clamps (Station1) B6	23AUG06	5	29AUG06	128	40	0.00																									Install Clamps (Station1) B6																																			
P1-081C	Install Clamps (Station1) A1	08SEP06	5	14SEP06	124	40	0.00																									Install Clamps (Station1) A1																																			
P1-171C	Install Clamps (Station1) A2	03OCT06	5	09OCT06	114	40	0.00																									Install Clamps (Station1) A2																																			
P2-081C	Install Clamps (Station1) A3	17OCT06	5	23OCT06	118	40	0.00																									Install Clamps (Station1) A3																																			
P3-081C	Install Clamps (Station1) A4	08NOV06	5	14NOV06	109	40	0.00																									Install Clamps (Station1) A4																																			
P3-171C	Install Clamps (Station1) A5	22NOV06	4	29NOV06	116	40	0.00																									Install Clamps (Station1) A5																																			
P2-171C	Install Clamps (Station1) A6	18DEC06	4	21DEC06	106	40	0.00																									Install Clamps (Station1) A6																																			
Station 6- Coil Test Facility																																																																			
P1-021	Test Coil (Coil Test Stand) C1	27OCT05	8	07NOV05	258	40	0.00																									Test Coil (Coil Test Stand) C1																																			

Run Date 31AUG04 12:43

 CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

ZZZZ

NCSX CD-3 Baseline

Sheet 24 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08											
P1-021.1	Complete First Mod Coil Fabrication C1		0	07NOV05	355	40	0.00																									▼ Complete First Mod Coil Fabrication C1																																			
P1-111	Test Coil (Coil Test Stand) C2	23NOV05	8	06DEC05	247	40	0.00																									■ Test Coil (Coil Test Stand) C2																																			
P2-021	Test Coil (Coil Test Stand) C3	14DEC05	7	22DEC05	242	40	0.00																									■ Test Coil (Coil Test Stand) C3																																			
P2-111	Test Coil (Coil Test Stand) C4	02FEB06	7	10FEB06	219	40	0.00																									■ Test Coil (Coil Test Stand) C4																																			
P3-021	Test Coil (Coil Test Stand) C5	27FEB06	7	07MAR06	209	40	0.00																									■ Test Coil (Coil Test Stand) C5																																			
P3-111	Test Coil (Coil Test Stand) C6	16MAR06	7	24MAR06	203	40	0.00																									■ Test Coil (Coil Test Stand) C6																																			
P1-051	Test Coil (Coil Test Stand) B1	27APR06	7	05MAY06	180	40	0.00																									■ Test Coil (Coil Test Stand) B1																																			
P1-141	Test Coil (Coil Test Stand) B2	24MAY06	7	02JUN06	168	40	0.00																									■ Test Coil (Coil Test Stand) B2																																			
P2-051	Test Coil (Coil Test Stand) B3	12JUN06	7	20JUN06	163	40	0.00																									■ Test Coil (Coil Test Stand) B3																																			
P2-141	Test Coil (Coil Test Stand) B4	10JUL06	7	18JUL06	151	40	0.00																									■ Test Coil (Coil Test Stand) B4																																			
P3-051	Test Coil (Coil Test Stand) B5	04AUG06	7	14AUG06	139	40	0.00																									■ Test Coil (Coil Test Stand) B5																																			
P3-141	Test Coil (Coil Test Stand) B6	30AUG06	7	08SEP06	128	40	0.00																									■ Test Coil (Coil Test Stand) B6																																			
P1-081	Test Coil (Coil Test Stand) A1	15SEP06	7	25SEP06	124	40	0.00																									■ Test Coil (Coil Test Stand) A1																																			
P1-171	Test Coil (Coil Test Stand) A2	10OCT06	7	18OCT06	114	40	0.00																									■ Test Coil (Coil Test Stand) A2																																			
P2-081	Test Coil (Coil Test Stand) A3	24OCT06	7	01NOV06	118	40	0.00																									■ Test Coil (Coil Test Stand) A3																																			
P2-171	Test Coil (Coil Test Stand) A4	15NOV06	7	27NOV06	109	40	0.00																									■ Test Coil (Coil Test Stand) A4																																			
P3-171	Test Coil (Coil Test Stand) A5	30NOV06	6	07DEC06	116	40	0.00																									■ Test Coil (Coil Test Stand) A5																																			
P3-081	Test Coil (Coil Test Stand) A6	22DEC06	6	08JAN07	106	40	0.00																									■ Test Coil (Coil Test Stand) A6																																			
Job: 1431 - Modular Coil Local I&C																																																																			
174-001	Title I design WBS 143 Mod coil local I&C	03OCT05*	30	11NOV05	407	24	14,027.29																									■ Title I design WBS 143 Mod coil local I&C																																			
174-011	Title II design WBS 143 Mod coil local I&C	14NOV05	30	04JAN06	407	24	14,027.29																									■ Title II design WBS 143 Mod coil local I&C																																			
174-035	Modular Coil local I&C -Procurement	05JAN06	60	29MAR06	413	24	17,395.65																									■ Modular Coil local I&C -Procurement																																			
174-036	Modular Coil local I&C -Title III	05JAN06	80	26APR06	884	24	5,529.26																									■ Modular Coil local I&C -Title III																																			
174-037	Modular Coil local I&C -Install	15JAN07*	20	09FEB07	212	24	70,223.20																																					■ Modular Coil local I&C -Install																							
15 - Structures																																																																			
Job: 1501 - Structures Design- Kalish																																																																			
PDR/PBR Task List																																																																			
1501-105	Project PDR	07OCT03A	1	07OCT03A		32	0.00																																																												
1501-109	Prepare FY 04 WP/WAF	31OCT03A	20	31OCT03A		32	12,856.00																																																												
1501-113	Prepare PBR documentation	04NOV03A	10	18NOV03A		32	6,428.00																																																												
1501-117	Performance baseline review		0	18NOV03A		32	0.00																																																												
Reqmnts, Configuration, Interfaces and PDR																																																																			
1501-121	Rqmnts, Config, Interfaces, PDR (summary task)	21OCT03A	306*	04JAN05	212	32	0.00																									■ Rqmnts, Config, Interfaces, PDR (summary task)																																			

Run Date 31AUG04 12:43

■ CD-3 Proposed Baseline
■ Progress Bar
■ Critical Activity

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08											
1501-125	Update drawings & models based on vendor recomb	21OCT03A	30	26NOV03A		32	28,765.30																																																												
1501-129	Develop a SRD design to spec	01JUL04	6	09JUL04	324	32	6,267.30													Develop a SRD design to spec																																															
1501-133	Prepare a "scope sheet" which defines all interf	03NOV03A	124	28JUL04	321	32	6,267.30													Prepare a "scope sheet" which defines all interf																																															
1501-137	Prepare assembly & interface drawings for ICDs	21OCT04	30	03DEC04	212	32	29,570.80													Prepare assembly & interface drawings for ICDs																																															
1501-141	Finalize and approve all ICDs	06DEC04	20	04JAN05	212	32	6,442.80													Finalize and approve all ICDs																																															
1501-145	Prepare assembly drawings for structure / coils	04NOV04	30	17DEC04	212	32	29,570.80													Prepare assembly drawings for structure / coils																																															
1501-149	Update design basis document; address size and w	20DEC04	10	04JAN05	212	32	6,442.80													Update design basis document; address size and w																																															
1501-157	Perform RAM & ES&H analyses document in design b	07DEC04	19	04JAN05	212	32	6,442.80													Perform RAM & ES&H analyses document in design b																																															
1501-161	Update cost and schedule	20DEC04	10	04JAN05	212	32	6,442.80													Update cost and schedule																																															
1501-162	PDR Preparation	13DEC04*	15	04JAN05	212	32	6,442.80													PDR Preparation																																															
1501-165	Perform Coil Support Structure PDR		0	04JAN05*	212	32	0.00													Perform Coil Support Structure PDR																																															
Preliminary Design Analyses																																																																			
1501-169	Design Analyses (summary task)	10NOV04	36*	04JAN05	212	32	0.00													Design Analyses (summary task)																																															
1501-173	Update ANSYS model of coils & structure	10NOV04	21	10DEC04	212	32	10,755.20													Update ANSYS model of coils & structure																																															
1501-177	Perform structural stress analyses	10NOV04	21	10DEC04	212	32	10,755.20													Perform structural stress analyses																																															
1501-181	Perform structural deflection analyses	10NOV04	21	10DEC04	212	32	10,755.20													Perform structural deflection analyses																																															
1501-185	Check EM loads for reference scenarios	03DEC04	21	04JAN05	212	32	10,755.20													Check EM loads for reference scenarios																																															
1501-189	Perform EM combined loads & fault conditions	03DEC04	21	04JAN05	212	32	11,085.60													Perform EM combined loads & fault conditions																																															
1501-221	Prepare Failure Modes Assessment (FMECA)	17NOV04	31	04JAN05	212	32	4,625.60													Prepare Failure Modes Assessment (FMECA)																																															
Structures Final Design																																																																			
1501-205	Structures FDR (summary task)	05JAN05	87*	05MAY05	212	32	0.00													Structures FDR (summary task)																																															
1501-197	Update analyses based on PDR recommendations	05JAN05	15	25JAN05	212	32	6,277.60													Update analyses based on PDR recommendations																																															
1501-201	Independent check of EM/ ANSYS analyses	26JAN05	15	15FEB05	212	32	6,277.60													Independent check of EM/ ANSYS analyses																																															
1501-209	Prepare final drawings	05JAN05*	30	15FEB05	212	32	19,493.60													Prepare final drawings																																															
1501-213	Check & promote models / drawings	16FEB05	15	08MAR05	212	32	12,885.60													Check & promote models / drawings																																															
1501-217	Update build to spec / sow	09MAR05	14	28MAR05	212	32	6,277.60													Update build to spec / sow																																															
1501-225	Update design basis document	29MAR05	11	12APR05	212	32	6,277.60													Update design basis document																																															
1501-229	Update cost & schedule estimates	12APR05	18	05MAY05	212	32	6,277.60													Update cost & schedule estimates																																															
1501-233	Prepare FDR documentation / presentations	12APR05	18	05MAY05	212	32	6,442.80													Prepare FDR documentation / presentations																																															
1501-237	Prepare ECP for FDR	12APR05	18	05MAY05	212	32	6,442.80													Prepare ECP for FDR																																															
1501-241	FDR Coil Support Structure		0	05MAY05	212	32	0.00													FDR Coil Support Structure																																															
Job: 1520-Structures Procure,Fab,Title III																																																																			
1501-245	Prep Spec,Solicit Bids, and Evaluate Bids	03AUG05	65	01NOV05	151	32	0.00													Prep Spec,Solicit Bids, and Evaluate Bids																																															

Run Date 31AUG04 12:43

 CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

ZZZZ

NCSX CD-3 Baseline

Sheet 26 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08											
162-036.9	Award Coil Support Assy		0	01NOV05*	147	32	0.00																									Award Coil Support Assy																																			
162-037	WBS 151Coil Support Assy Procurement [A/1]	02NOV05	249	31OCT06	147	32	991,779.33																									WBS 151Coil Support Assy Procurement [A/1]																																			
162-031	Title III engr WBS 151	02NOV05	249	31OCT06	739	32	154,962.18																									Title III engr WBS 151																																			
153.037	WBS 153 Support Structure I&C Procurement/Fab	03APR06*	249	30MAR07	201	20	8,718.02																									WBS 153 Support Structure I&C Proc																																			
153.015	Title III design WBS 153 local&C	02OCT06*	249	28SEP07	512	20	4,969.96																									Title III design WBS 153 local&C																																			
16 - Coil Services																																																																			
161 - LN2 Distribution																																																																			
191-001	Title I design WBS 161 LN2 manifolds&piping	01DEC05*	65	09MAR06	221	28	49,812.41																									Title I design WBS 161 LN2 manifolds&piping																																			
191-011	Title II design WBS 161 LN2 manifolds&piping	10MAR06	60	02JUN06	221	28	99,769.73																									Title II design WBS 161 LN2 manifolds&piping																																			
191-031	Title III engr WBS 161	05JUN06*	280	17JUL07	564	28	14,468.81																									Title III engr WBS 161																																			
191-037	Procurement WBS 161	05JUN06*	130	07DEC06	221	28	69,999.49																									Procurement WBS 161																																			
191-038	PDR#17	08DEC06*	130	18JUN07	584	30	59,974.72																									PDR#17																																			
191-041	LN2 Manifolds & ppg Fab/assy/instr WBS 161	19APR07*	62	17JUL07	133	28	32,986.60																									LN2 Manifolds & ppg Fab/assy/instr WBS 161																																			
191-042	PDR #17,25,3	19APR07*	65	20JUL07	561	30	10,512.80																									PDR #17,25,3																																			
162 - Electrical Leads																																																																			
132-000	PDR #17 & 25	30NOV05*	325	22MAR07	645	30	40,162.88																									PDR #17 & 25																																			
132-001	Title I design WBS 162 Coil leads	01DEC05*	130	09JUN06	218	22	129,613.39																									Title I design WBS 162 Coil leads																																			
132-011	Title II design WBS 162 Coil leads	12JUN06	130	14DEC06	218	22	133,039.37																									Title II design WBS 162 Coil leads																																			
132-015	Title III design WBS 162 Coil leads	15DEC06*	60	16MAR07	649	22	16,105.48																									Title III design WBS 162 Coil leads																																			
132-037	Coil Leads Procurement WBS 162	31MAY07*	60	23AUG07	106	22	302,334.24																									Coil Leads Procurement WBS 162																																			
163 - Coil Protection System																																																																			
163.001	Title I design WBS 163 Coil protection	03OCT05*	65	11JAN06	905	28	39,029.02																									Title I design WBS 163 Coil protection																																			
163.011	Title II design WBS 163 Coil protection	12JAN06	40	08MAR06	905	28	39,029.02																									Title II design WBS 163 Coil protection																																			
17 - Cryostat and Base Support Structure																																																																			
Job:1701-Cryostat&Base Sprt Strct Dsn-GETTLFINGER																																																																			
FY03 Actual Cost																																																																			
1701-001	Apr-Sept MIE Costs PPPL	01APR03A	54	30SEP03A		0	12,180.00																																																												
151-000	Adv Concep Design Cryostat shell & struct	01DEC03A	103*	31MAR04A		28	0.00																																																												
151-001	Title I design WBS 171 cryostat shell & struct	01APR04A	122*	22SEP04	262	28	110,056.40																									Title I design WBS 171 cryostat shell & struct																																			
151-002	Cryostat & Base Support Struct PDR		0	22SEP04	262	28	0.00																									Cryostat & Base Support Struct PDR																																			
161-001	Title I design WBS 172 base support struct	01APR04A	122*	22SEP04	262	32	50,507.00																									Title I design WBS 172 base support struct																																			

Run Date 31AUG04 12:43

CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

ZZZZ

NCSX
 CD-3 Baseline

Sheet 27 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY								
								FY04	FY05	FY06	FY07	FY08				
171 - Cryostat																
151-011	Title II design WBS 171 cryostat shell & struct	01OCT04*	243*	22SEP05	262	28	226,216.90									
151-012	WBS 17 FDR		0	22SEP05	262	28	0.00									
151-031	Title III engr	15DEC05	318	28MAR07	641	28	30,815.05									
151-036.8	Prep Spec, Solicit bids, and Select Vendor	15DEC05*	65	23MAR06	215	28	0.00									
151-036.9	Award Cryostat Procurement		0	23JUN06*	150	28	0.00									
151-037	Cryostat Procurement [A/1]	26JUN06	249	22JUN07	150	28	483,665.74									
172 - Base Support Structure																
161-011	Title II design WBS 172 base support struct	23SEP04	249	22SEP05	262	32	54,706.46									
161-031	Title III engr WBS 172	01DEC05	150	10JUL06	819	32	46,651.32									
161-036.8	Prep Spec, Solicit bids, and Select Vendor	01DEC05*	65	09MAR06	215	28	0.00									
161-036.9	Award Machine Base&supports Procurement		0	01MAY06*	178	32	0.00									
161-037	Machine Base&supports Procurement [A/1]	02MAY06	90	07SEP06	178	32	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		0	7,750.00									
1801-002	Apr-Sept MIE Costs ORNL	01APR03A	42	30SEP03A		0	53,050.00									
Job: 1802 - FP Assy Oversight&Support-VIOLA																
Oversight and Supervision																
181.100	PPPL EM LOE FY04	13OCT03A	242*	30SEP04	1,259	24	77,947.50									
181.200	HP Coverage in the TFTR TC LOE FY04	02FEB04A	171*	30SEP04	1,259	24	115,320.00									
181.201	D-Site Shift Supervisor LOE FY04	01JUL04*	64*	30SEP04	1,259	24	25,920.40									
181.110	PPPL EM LOE FY05	01OCT04*	249*	30SEP05	1,010	24	146,784.00									
181.210	HP Coverage in the TFTR TC LOE FY05	01OCT04*	249*	30SEP05	1,010	24	128,440.00									
181.310	ORNL EM LOE FY05	01OCT04*	249*	30SEP05	1,010	24	119,316.89									
181.120	PPPL EM LOE FY06	03OCT05*	250*	02OCT06	760	24	451,299.93									
181.220	HP Coverage in the TFTR TC LOE FY06	03OCT05*	250*	02OCT06	760	24	130,690.04									
181.320	ORNL EM LOE FY06	03OCT05*	250*	02OCT06	760	24	122,771.80									
Job: 1803- FP Assy Tooling/Constructability-COLE																
Tooling Design & Fabrication																
713A.010	>>>> Design Tooling ECP 9	01OCT04*	247*	28SEP05	1,012	40	354,716.75									
713A.010A	FP Assy Tooling Rqmnts&Constructability Peer Rvw		0	31MAR04A		40	0.00									
713.010B	Tooling & Constructability FDR		0	04JAN05*	313	40	0.00									

Run Date 31AUG04 12:43

 CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

ZZZZ

NCSX CD-3 Baseline

Sheet 28 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08											
713A.032	Fabricate-TF Coil sub-assy frame/manipulator	18MAR05*	195	22DEC05	331	40	10,366.40																																																												
713A.030	Fabricate-VV supporting fixture (3)	20APR05*	199	07FEB06	238	40	97,311.56																																																												
713A.031	Fabricate-Modular Coil sub-assy frame/manip/fixt	03JUN05*	195	16MAR06	270	40	209,203.40																																																												
713A.033	Fabricate-Full FP support fixture (3)	03JUN05*	195	16MAR06	285	40	9,745.50																																																												
713A.034	Fabricate-VV port welding fixtures	29JUL05*	195	10MAY06	860	40	13,020.00																																																												
713A.040	General procurements	01OCT04*	498*	29SEP06	761	40	25,970.00																																																												
713A.050	Welding tools, materials & equip	01OCT04*	498*	29SEP06	761	40	58,432.50																																																												
713A.020	Lab Fab/Assy/Installation	25FEB05*	403*	02OCT06	760	40	349,167.95																																																												
713A.060	Instl He gas piping from NSTX to D-site tc	03OCT05*	85	08FEB06	925	40	41,464.00																																																												
Tooling R&D																																																																			
713A.011	>>>> Tooling R&D-Design VV/MCWF Mockups ECP	01JUL04	0		0	40	0.00																																																												
713A.012	>>>> Tooling R&D-Procure VV & MCWF Mockups	01JUL04	0		0	40	0.00																																																												
713A.013	>>>Tooling R&D-Inspect & assy trails ecp 9 repro	08AUG05*	65	07NOV05	984	40	47,820.00																																																												
Job: 1804-FP Assy Measurement Sys-RAFTOPOULOS																																																																			
Metrology																																																																			
740.010	Final Design Measurement systems	19JAN04A	181*	30SEP04	1,259	24	69,422.40																																																												
740.011	3-D Scanner/Faro Arm FDR		0	30JAN04A		24	0.00																																																												
740.015	Prepare Requisition 3-D scanner & Romer Arm	30JAN04A	10	30JAN04A		24	0.00																																																												
740.030	Deliver 3-D Scanner & Romer Arm	01APR04A	10*	30APR04A		24	171,990.00																																																												
740.030A	Romer Arm Training	06JUL04*	3*	08JUL04	1,318	24	0.00																																																												
740.031	Metrology Software Review		0	30JAN04A		24	0.00																																																												
740.032	Prepare Met Software Requisition	30JAN04A	10	30JAN04A		24	0.00																																																												
740.035	Deliver Metrology Software	01OCT04*	53	16DEC04	1,206	24	58,075.40																																																												
740.041	FP Assy Laser based GPS Sys Review		0	02AUG04*	1,228	24	0.00																																																												
740.042	Prepare GPS Sys Requisition	03AUG04	10	16AUG04	1,228	24	0.00																																																												
740.043	Bid,Evaluate & Award GPS sys	17AUG04	33	01OCT04	1,228	24	0.00																																																												
740.044	Deliver GPS sys**eliminated	04OCT04	30	12NOV04	1,228	24	0.00																																																												
740.020	Facility Prep	03OCT05*	95	22FEB06	301	24	60,384.40																																																												
740.045	Purchase- second Faro Arm (was under WBS 14)	01OCT04*	102	04MAR05	1,157	24	71,060.00																																																												
740.050	Purchase- targets [A/9]	01JUL05*	130	12JAN06	944	24	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	26SEP06	15	16OCT06	136	40	50,088.80																																																												
184-205	Mount/align left mod coil in fixture-Period #1	19OCT06	12	03NOV06	114	40	41,990.40																																																												

Run Date 31AUG04 12:43

 CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

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NCSX CD-3 Baseline

Sheet 29 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08											
184-210	Mount/align right mod coil in fixture-Period #2	02NOV06	12	17NOV06	134	40	41,990.40																																					Mount/align right mod coil in fixture-Period #2																							
184-215	Mount/align left mod coil in fixture-Period #2	28NOV06	12	13DEC06	109	40	41,990.40																																					Mount/align left mod coil in fixture-Period #2																							
184-220	Mount/align right mod coil in fixture-Period #3	08DEC06	12	02JAN07	131	40	41,990.40																																					Mount/align right mod coil in fixture-Period #3																							
184-225	Mount/align left mod coil in fixture-Period #3	09JAN07	12	24JAN07	106	40	41,990.40																																					Mount/align left mod coil in fixture-Period #3																							
P1-000	PDR # 19 MCWF fitup	17OCT06	94	07MAR07	656	30	17,696.70																																					PDR # 19 MCWF fitup																							
TF Coil Sub-assembly																																																																			
722.010	Receive/Inspect TF & PF Coils	03OCT05*	249*	29SEP06	761	20	77,365.60																																					Receive/Inspect TF & PF Coils																							
184-100	Assemble 3 TF coils&structure -Right -Period #1	15MAY06	10	26MAY06	236	40	34,504.00																																					Assemble 3 TF coils&structure -Right -Period #1																							
184-105	Assemble 3 TF coils&structure -Left -Period #1	30MAY06	10	12JUN06	236	40	34,504.00																																					Assemble 3 TF coils&structure -Left -Period #1																							
184-110	Assemble 3 TF coils&structure -Right -Period #2	13JUN06	10	26JUN06	237	40	34,504.00																																					Assemble 3 TF coils&structure -Right -Period #2																							
184-115	Assemble 3 TF coils&structure -Left -Period #2	22AUG06	10	05SEP06	198	40	34,504.00																																					Assemble 3 TF coils&structure -Left -Period #2																							
184-120	Assemble 3 TF coils&structure -Right -Period #3	14NOV06	10	29NOV06	150	40	37,168.00																																					Assemble 3 TF coils&structure -Right -Period #3																							
184-125	Assemble 3 TF coils&structure -Left -Period #3	10JAN07	10	23JAN07	127	40	37,168.00																																					Assemble 3 TF coils&structure -Left -Period #3																							
Job:1810 - Field Period Assembly-CHRZANOWSKI																																																																			
Period 1																																																																			
721.010	Area preparations	03OCT05*	90	15FEB06	232	20	92,942.40																																					Area preparations																							
725.001	Assemble Field Period #1 (smry task)	16NOV06	75*	12MAR07	114	40	312,816.80																																					Assemble Field Period #1 (smry task)																							
P1-180	Rec'v VV,Attach clng tubes &Insul to 1st Period	06MAR06	39	27APR06	220	20	95,908.80																																					Rec'v VV,Attach clng tubes &Insul to 1st Period																							
P1-180.9	Begin Assembly of First Field Period	16NOV06	0		114	40	0.00																																					Begin Assembly of First Field Period																							
P1-181	Assemble 1st. Field Period - coils/VV 2 shift	16NOV06	19	14DEC06	114	40	0.00																																					Assemble 1st. Field Period - coils/VV 2 shift																							
P1-191	>>>> Position&weld port assemblies (Add'l ECP 8)	15DEC06	15	12JAN07	114	40	26,788.00																																					>>>> Position&weld port assemblies (Add'l ECP 8)																							
P1-201	Leak chck & Bakeout vessel to 150 degrees C	15JAN07	7	23JAN07	114	40	0.00																																					Leak chck & Bakeout vessel to 150 degrees C																							
P1-211	vacuum leak check & Instl Trim coil	24JAN07	25	27FEB07	114	40	0.00																																					vacuum leak check & Instl Trim coil																							
P1-221	Prepare field period for shipment	28FEB07	5	06MAR07	114	40	0.00																																					Prepare field period for shipment																							
P1-231	Ship 1st. Field period	07MAR07	3	09MAR07	114	40	0.00																																					Ship 1st. Field period																							
P1-241	Field period 1 ready for installation	12MAR07	1	12MAR07	114	40	0.00																																					Field period 1 ready for installation																							
Period 2																																																																			
725.101	Assemble Field Period #2 (smry task)	04JAN07	73*	16APR07	109	40	312,816.80																																					Assemble Field Period #2 (smry task)																							
P2-180	Rec'v VV,Attach clng tubes &Insul to 2nd Period	28APR06	39	22JUN06	220	20	95,908.80																																					Rec'v VV,Attach clng tubes &Insul to 2nd Period																							
P2-181	Assemble 2nd. Field Period- coils/ VV 2 shift	04JAN07	18	29JAN07	109	40	0.00																																					Assemble 2nd. Field Period- coils/ VV 2 shift																							
P2-191	>>> Position&weld port assemblies (Add'l ECP 8)	30JAN07	15	19FEB07	109	40	26,788.00																																					>>> Position&weld port assemblies (Add'l ECP 8)																							
P2-201	Leak chck & Bakeout vessel to 150 degrees C	20FEB07	7	28FEB07	109	40	0.00																																					Leak chck & Bakeout vessel to 150 degrees C																							
P2-211	vacuum leak check & Instl Trim coil	01MAR07	25	04APR07	109	40	0.00																																					vacuum leak check & Instl Trim coil																							
P2-221	Prepare field period for shipment	05APR07	5	11APR07	109	40	0.00																																					Prepare field period for shipment																							

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04					FY05					FY06					FY07					FY08				
P2-231	Ship 2nd. Field period	12APR07	3	16APR07	109	40	0.00																					Ship 2nd. Field period				
P2-241	Field Period 2 ready for installation	17APR07	1	17APR07	109	40	0.00																					Field Period 2 ready for installation				
Period 3																																
725.201	Assemble Field Period #3 (smry task)	07FEB07	73*	18MAY07	106	40	312,816.80																					Assemble Field Period #3 (smry task)				
P3-180	Rec'v VV,Attach cng tubes &Insul to 3rd Period	23JUN06*	39	17AUG06	220	20	95,908.80																					Rec'v VV,Attach cng tubes &Insul to 3rd Period				
P3-181	Assemble 3rd. Field Period - coils/ VV 2 shift	07FEB07	18	02MAR07	106	40	0.00																					Assemble 3rd. Field Period - coils/ VV 2 shift				
P3-191	>>> Position&weld port assemblies (Add'l ECP 8)	05MAR07	15	23MAR07	106	40	26,788.00																					>>> Position&weld port assemblies (Add'l ECP 8)				
P3-201	Leak chck & Bakeout vessel to 150 degrees C6	26MAR07	7	03APR07	106	40	0.00																					Leak chck & Bakeout vessel to 150 degrees C6				
P3-211	vacuum leak check & Instl Trim coil	04APR07	25	08MAY07	106	40	0.00																					vacuum leak check & Instl Trim coil				
P3-221	Prepare field period for shipment	09MAY07	5	15MAY07	106	40	0.00																					Prepare field period for shipment				
P3-231	Ship 3rd. Field Period	16MAY07	3	18MAY07	106	40	0.00																					Ship 3rd. Field Period				
P3-241	3rd. Period ready for installation	21MAY07	1	21MAY07	106	40	0.00																					3rd. Period ready for installation				
P3-241.1	Last Field Period Assembled		0	21MAY07	106	40	0.00																					Last Field Period Assembled				
P1-180A	cd-4 350c increment	06MAR06	109	07AUG06	799	20	38,544.00																					cd-4 350c increment				
19 - Stellarator Core Management and Integration																																
Job: 1901 - Stellarator Core Mngt&Integr-NELSON																																
FY03 Actual Cost																																
1901-002	Apr-Sept MIE Costs ORNL	01APR03A	248	30SEP03A		0	187,090.00																									
1901-003	Apr-Sept MIE Costs PPPL	01APR03A	248	30SEP03A		0	67,070.00																									
191 - Stellarator Core Management & Oversight																																
191-4	LOE-FY04 WBS 191-4 Management Activities	01OCT03A	250*	30SEP04	1,259	10	145,699.85																					LOE-FY04 WBS 191-4 Management Activities				
0191-5	LOE-FY05 WBS 191	01OCT04*	249*	30SEP05	1,010	10	197,596.67																					LOE-FY05 WBS 191				
0191-6	LOE-FY06 WBS 191	03OCT05*	250*	02OCT06	526	10	190,877.89																					LOE-FY06 WBS 191				
0191-6X	LOE-FY07 WBS 191	03OCT06*	234	10SEP07	526	10	199,716.12																					LOE-FY07 WBS 191				
0191-91	LOE-FY06 WBS 191 1 mo SO	01OCT07*	22	30OCT07	346	0	20,250.00																					LOE-FY06 WBS 191 1 mo SO				
0191-92	LOE-FY06 WBS 191 1 mo SO	31OCT07*	21	28NOV07	346	0	20,250.00																					LOE-FY06 WBS 191 1 mo SO				
0191-93	LOE-FY06 WBS 191 1 mo SO	03DEC07*	15	21DEC07	346	0	20,250.00																					LOE-FY06 WBS 191 1 mo SO				
0191-94	LOE-FY06 WBS 191 1 mo SO	01JAN08*	22	30JAN08	346	0	20,250.00																					LOE-FY06 WBS 191 1 mo SO				
0191-95	LOE-FY06 WBS 191 1 mo SO	31JAN08*	22	29FEB08	346	0	20,250.00																					LOE-FY06 WBS 191 1 mo SO				
0191-96	LOE-FY06 WBS 191 1 mo SO	03MAR08*	22	01APR08	346	0	20,250.00																					LOE-FY06 WBS 191 1 mo SO				
0191-97	LOE-FY06 WBS 191 1 mo SO	02APR08*	21	30APR08	346	0	20,250.00																					LOE-FY06 WBS 191 1 mo SO				
0191-98	LOE-FY06 WBS 191 1 mo SO	01MAY08*	21	30MAY08	346	0	20,250.00																					LOE-FY06 WBS 191 1 mo SO				

Run Date 31AUG04 12:43

CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

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NCSX
 CD-3 Baseline

Sheet 31 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	Fiscal Year											
								FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12			
192 - Stellarator Core Integration & Analysis																			
192-4	LOE-FY05 WBS 192-4 Design Integration Activities	01OCT03A	250*	30SEP04	1,259	10	237,358.09												
192-4.1	Self consistent models/dwgs f/ Mod Coil & VV FDR		0	30JUN04*	1,323	10	0.00												
192-4.2	Self consistent models/dwgs Conv Coils&sprt strc		0	30SEP04*	1,259	10	0.00												
192-4.4	Stellarator Core Assy dwgs & assy sequence		0	30SEP04*	1,259	10	0.00												
192-5	LOE-FY05 WBS 192-5 VV & Coil Services Integr	01OCT03A	207*	30JUL04	1,302	10	36,676.65												
192-5.1	VV Helium Line Models		0	30SEP04*	1,259	10	0.00												
192-5.2	Mod Coil LN2 Lines Layouts		0	30SEP04*	1,259	10	0.00												
192-5.3	Mod Coil Leads Layouts		0	30SEP04*	1,259	10	0.00												
192-5.4	PF Coil Leads & Services Layouts		0	30SEP04*	1,259	10	0.00												
192-5.5	TF Coil leads & Services Layouts		0	30SEP04*	1,259	10	0.00												
192-5.6	External Trim Coil Leads /services Layouts		0	30SEP04*	1,259	10	0.00												
192-6	LOE-FY05 WBS 192-6 Integrated Analysis	01OCT03A	250*	30SEP04	1,259	10	44,031.80												
192-6.01	Document coil tolerance and trim coil requiremen	01MAR04A	108*	30JUL04	1,326	10	19,284.00												
192-6.011	Coil winding center determination Increase	01APR04A	85*	30JUL04	1,326	10	0.00												
192-6.02	Check critical coil tolerance calculations.	01APR04A	85*	30JUL04	1,326	10	10,295.20												
192-6.03	Method for determining current center	01FEB04A	128*	30JUL04	1,326	10	25,738.00												
192-6.04	Calc impact omisalignments on mutual inductances	01JUN04A	86*	30SEP04	1,283	10	25,738.00												
192-6.05	Determine reqd process for assly tolerances	01JUL04	46*	03SEP04	1,301	10	30,885.60												
192-6.06	Coil positions to minimize islands.	02FEB04A	171*	30SEP04	1,283	10	61,771.20												
192-6.07	Time constant calcs using SPARK	01APR04A	42*	28MAY04A		10	6,428.00												
192-6.08	Indep check time constant calcs using EDDYCUFF	01MAY04A	20	28MAY04A		10	10,295.20												
192-6.09	Revised VV geometry	02FEB04A	6	27FEB04A		10	3,214.00												
192-6.10	MC interf during assly, geometry, assly trajecto	02FEB04A	31	27FEB04A		10	34,073.60												
192-6.11	Range of motion reqts for Assly MC fixture.	02FEB04A	20	27FEB04A		10	18,003.60												
192-6.12	Final Check & Verification	01MAY04A	6	28MAY04A		10	3,856.80												
192-6.5	Structural Design criteria		0	28MAY04A		10	0.00												
192-6.2	Final Mod Coil Trajectories		0	27FEB04A		10	0.00												
192-6.6	Stellarator Core Materials Database		0	30JUN04*	1,323	10	0.00												
192-6.3	Best fit for mod coil assy on winding measuremen		0	30SEP04*	1,259	10	0.00												
0192-5	LOE-FY05 WBS 192	01OCT04*	249*	30SEP05	1,010	10	514,578.55												
0192-6	LOE-FY06 WBS 192	03OCT05*	250	02OCT06	518	10	165,946.13												
0192-6X	LOE-FY06 WBS 192	03OCT06*	242	20SEP07	518	10	135,038.20												

Run Date 31AUG04 12:43

 CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

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**NCSX
CD-3 Baseline**

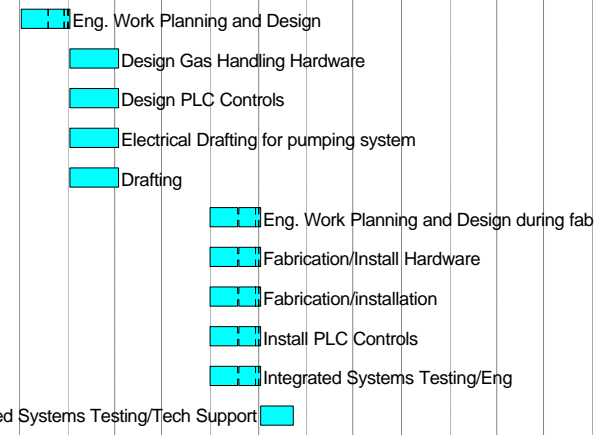
Sheet 32 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08											
0192-91	LOE-F1 mo SO	01OCT07*	22	30OCT07	338	0	16,018.04																																																	LOE-F1 mo SO											
0192-92	LOE-F1 mo SO	31OCT07*	22	03DEC07	338	0	16,018.04																																																	LOE-F1 mo SO											
0192-93	LOE-F1 mo SO	04DEC07*	22	10JAN08	338	0	16,018.04																																																	LOE-F1 mo SO											
0192-94	LOE-F1 mo SO	11JAN08*	22	11FEB08	338	0	16,018.04																																																	LOE-F1 mo SO											
0192-95	LOE-F1 mo SO	12FEB08*	22	12MAR08	338	0	16,018.04																																																	LOE-F1 mo SO											
0192-96	LOE-F1 mo SO	13MAR08*	22	11APR08	338	0	16,018.04																																																	LOE-F1 mo SO											
0192-97	LOE-F1 mo SO	14APR08*	21	12MAY08	338	0	16,018.04																																																	LOE-F1 mo SO											
0192-98	LOE-F1 mo SO	13MAY08*	21	11JUN08	338	0	16,018.04																																																	LOE-F1 mo SO											

2 - Plasma Heating, Fueling & Vac Systems

21 - Fueling Systems

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan
21-10	Eng. Work Planning and Design	03OCT05*	65	05JAN06	334	14	13,512.00
21-15	Design Gas Handling Hardware	06JAN06	65	06APR06	334	14	6,606.00
21-20	Design PLC Controls	06JAN06*	65	06APR06	334	14	17,968.00
21-25	Electrical Drafting for pumping system	06JAN06*	65	06APR06	334	14	13,200.00
21-30	Drafting	06JAN06*	65	06APR06	334	14	8,800.00
21-35	Eng. Work Planning and Design during fab	02OCT06*	65	04JAN07	210	14	3,638.00
21-40	Fabrication/Install Hardware	02OCT06*	65	04JAN07	210	14	7,116.00
21-45	Fabrication/installation	02OCT06*	65	04JAN07	210	14	53,477.20
21-55	Install PLC Controls	02OCT06*	65	04JAN07	210	14	9,672.00
21-60	Integrated Systems Testing/Eng	02OCT06*	65	04JAN07	210	14	3,638.00
21-65	Integrated Systems Testing/Tech Support	05JAN07*	45	08MAR07	210	14	2,418.00

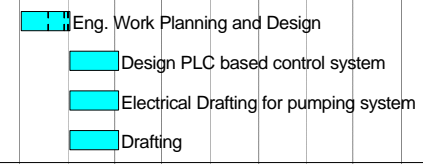


22 - Torus Vacuum Pumping Systems

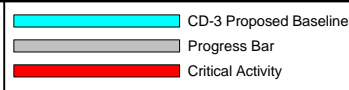
Job: 2001-VPS, Gas & Cond Sys Oversight-BLANCHARD

FY03 Actual Cost							
2001-001	Apr-May MIE Cost	01APR03A	43*	30MAY03A		0	35,300.00
2001-100	PDR Support	01JUN03A	164*	30SEP03A		0	24,896.00

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan
22-25	Eng. Work Planning and Design	03OCT05*	65	05JAN06	234	14	25,698.00
22-30	Design PLC based control system	06JAN06*	65	06APR06	299	14	35,936.00
22-35	Electrical Drafting for pumping system	06JAN06*	65	06APR06	299	14	23,100.00
22-40	Drafting	06JAN06*	65	06APR06	234	14	17,600.00



Run Date 31AUG04 12:43



ZZZZ NCSX Sheet 33 of 52

CD-3 Baseline

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08											
22-45	Eng. Work Planning and Design during fab	07APR06*	65	10JUL06	234	14	15,201.00																									Eng. Work Planning and Design during fab																																			
22-50	Perform maint. & repair of pmpg sys	07APR06*	65	10JUL06	234	14	8,808.00																									Perform maint. & repair of pmpg sys																																			
22-55	Repair and Calibration of vac instrumentation	02OCT06*	100	22FEB07	175	14	9,488.00													Repair and Calibration of vac instrumentation																																															
22-60	Fabrication/installation	02OCT06*	100	22FEB07	175	14	117,336.00																									Fabrication/installation																																			
22-65	Fab PLC conrols	02OCT06*	100	22FEB07	175	14	62,608.00																									Fab PLC conrols																																			
22-70	Integrated Systems Testing/Eng	23FEB07*	45	26APR07	175	14	7,276.00																																					Integrated Systems Testing/Eng																							
22-75	Integrated Systems Testing/Tech Support	23FEB07*	45	26APR07	175	14	4,836.00																									Integrated Systems Testing/Tech Support																																			

25 - Neutral Beam Injection System

Job: 2501 - Neutral Beam Refurbishment-STEVENSON

FY03 Actual Cost

2501-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A		0	146,310.00
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FY04 Work Plan

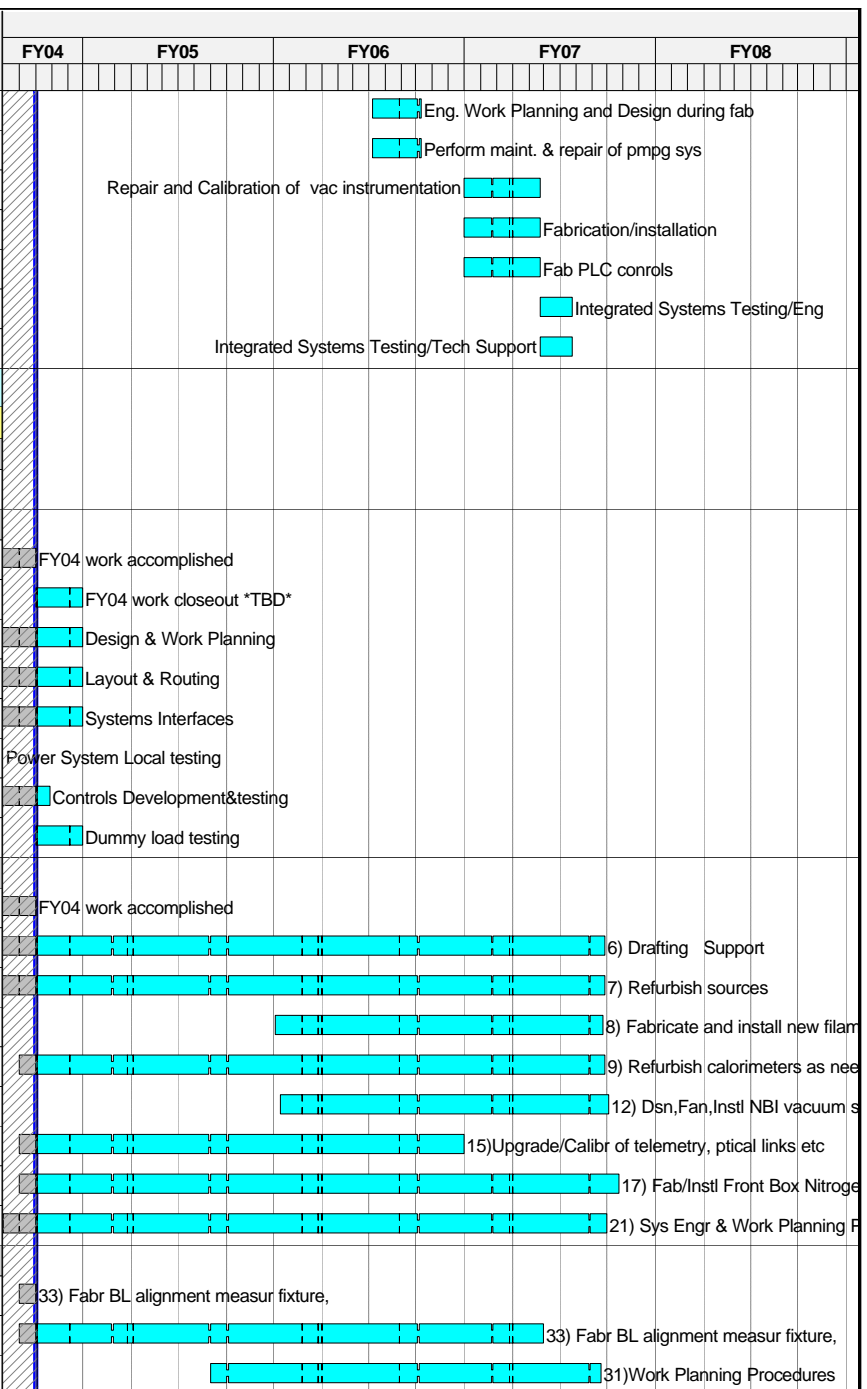
2501-014	FY04 work accomplished	03NOV03A	227	30JUN04A		16	81,853.50
2501-014.1	FY04 work closeout *TBD*	01JUL04	64*	30SEP04	1,259	16	49,247.90
2501-015	Design & Work Planning	03NOV03A	227*	30SEP04	1,259	16	0.00
2501-020	Layout & Routing	02JAN04A	192*	30SEP04	1,259	16	0.00
2501-025	Systems Interfaces	02JAN04A	192*	30SEP04	1,259	16	0.00
2501-030	Power System Local testing	01JAN04A	106*	30APR04A		16	0.00
2501-035	Controls Development&testing	02JAN04A	149*	30JUL04	1,302	16	0.00
2501-036	Dummy load testing	01JUL04*	64*	30SEP04	1,259	16	0.00

RefurbishmentCD-3 deleted scope**

25-099	FY04 work accomplished	01MAR04A	846*	30JUN04A		16	44,652.60
25-100	6) Drafting Support	01MAR04A	846*	25JUN07	588	16	0.00
25-105	7) Refurbish sources	01APR04A	824*	26JUN07	587	16	0.00
25-110	8) Fabricate and install new filaments	03OCT05*	438	21JUN07	590	16	0.00
25-115	9) Refurbish calorimeters as needed	01JUN04A	782*	26JUN07	587	16	0.00
25-130	12) Dsn,Fan,Instl NBI vacuum system	13OCT05*	438	03JUL07	582	16	0.00
25-145	15)Upgrade/Calibr of telemetry, ptical links etc	01JUN04A	595*	29SEP06	774	16	0.00
25-155	17) Fab/Instl Front Box Nitrogen Cryopanel.	01JUN04A	801*	23JUL07	568	16	0.00
25-175	21) Sys Engr & Work Planning Procedures	01MAY04A	805*	29JUN07	584	16	0.00

Re-Install BeamlineCD-3 deleted scope**

25-190.1	33) Fabr BL alignment measur fixture,	01JUN04A	699*	30JUN04A		16	2,586.20
25-190	33) Fabr BL alignment measur fixture,	01JUN04A	699*	28FEB07	670	16	0.00
25-180	31)Work Planning Procedures	03JUN05*	520	18JUN07	593	16	0.00



Run Date 31AUG04 12:43

CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

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NCSX
 CD-3 Baseline

Sheet 34 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04					FY05					FY06					FY07					FY08				
25-185	32) EAD analysis of platform support capability	02OCT06*	104	28FEB07	670	16	0.00																									
25-195	34) Fabr new bellows/electrical break	02OCT06*	104	28FEB07	670	16	0.00																									
25-200	35) Perform alignment measurements	02OCT06*	104	28FEB07	670	16	0.00																									
25-205	36) Prepare platform for base plate	02OCT06*	104	28FEB07	670	16	0.00																									
25-210	37) Relocate base plate to NCSX location	02OCT06*	104	28FEB07	670	16	0.00																									
25-215	38) Lift NB from Refurb location to NCSX locatio	04OCT06*	104	02MAR07	668	16	0.00																									
25-220	39) Enclose platform around base plate	29SEP06*	190	28JUN07	585	16	0.00																									
Re-Install Cables**CD-3 deleted scope																																
25-225.1	Cabling-Design & WP Procedures	01APR04A	872*	30JUN04A		16	4,845.00																									
25-225	Cabling-Design & WP Procedures	01APR04A	872*	31AUG07	539	16	0.00																									
25-230.1	Cabling-Fabr and Install new Junction Box	02JUN04A	190	30JUN04A		16	736.80																									
25-230	Cabling-Fabr and Install new Junction Box	02OCT06*	190	29JUN07	584	16	0.00																									
25-235	Cabling-Hi-potting cable run and fixing problems	02OCT06*	190	29JUN07	584	16	0.00																									
25-240	Cabling-Install Cable Trays	02OCT06*	190	29JUN07	584	16	0.00																									
25-245	Cabling-Pull cables Arc Room to PVC Junction Box	02OCT06*	190	29JUN07	584	16	0.00																									
25-250	Cabling- M&S f/ trays, fixtures, materials	02OCT06*	190	29JUN07	584	16	0.00																									
Beamline Connections**CD-3 deleted scope																																
25-255	Install weld cables Juncton Box to Ion Source.	02OCT06*	170	01JUN07	604	16	0.00																									
25-260	Connect bBL to foreline and exhaust manifold.	02OCT06*	170	01JUN07	604	16	0.00																									
25-265	New PLC. Test system after installation.	02OCT06*	170	01JUN07	604	16	0.00																									
25-270	Connect BL to new manifold & test	02OCT06*	170	01JUN07	604	16	0.00																									
25-275	Connect beamline to new manifold & test.	02OCT06*	170	01JUN07	604	16	0.00																									
25-280	Connect beamline to new manifold and test	02OCT06*	170	01JUN07	604	16	0.00																									
25-285	Install Water System	02OCT06*	170	01JUN07	604	16	0.00																									
25-290	Fab & Install Water Cooled Aperture	02OCT06*	170	01JUN07	604	16	0.00																									
25-295	New PLC for water sys & test	02OCT06*	170	01JUN07	604	16	0.00																									
25-300	Diag Sys-Fab/install new cables	02OCT06*	170	01JUN07	604	16	0.00																									
25-310.1	Drafting Labor Support	01JUN04A	298	30JUN04A		16	2,524.80																									
25-310	Drafting Labor Support	03APR06*	298	01JUN07	604	16	0.00																									
3 - Diagnostics																																
31 - Magnetic Diagnostics																																
310-010	Design Mag Diagnostics	03OCT05*	94	21FEB06	237	30	44,460.00																									

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY							
								FY04	FY05	FY06	FY07	FY08			
310-015	Fabricate & Install Magnetics on Vessel	17MAR06	108	17AUG06	220	30	140,205.50								
310-020	Design other ex-vessel sensors	03OCT05*	85	08FEB06	206	30	156,050.00								
310-025	Fab & Install other ex-vessel sensors on coils	21APR06*	105	19SEP06	155	30	78,406.05								
310-030	Design & FabMagnetic integrators	09FEB06*	94	21JUN06	217	30	36,491.65								
36 - Edge and Divertor Diagnostics															
361-001	Design Visible Camera sys	02OCT06*	40	28NOV06	140	20	11,949.20								
361-015	Fab/Assy/Installation Visible Camera	05JAN07*	130	09JUL07	119	20	88,975.00								
38 - Electron Beam (EB) Mapping															
380-010	Designe-Beam Probe,Fluor. Screen	02OCT06*	40	28NOV06	168	34	45,361.00								
380-015	Fab & Install Beam probe	14FEB07*	102	09JUL07	119	34	249,952.00								
39 - Diagnostics Integration															
Job: 3901 - Diagnostics sys Integration-JOHNSON															
FY03 Actual Cost															
390-001	LOE Support FY03	01APR03A	151*	30SEP03A		30	155,450.00								
390-100	Finalize VV ports (number,size,locations)		0	30JUN04*	1,323	10	0.00								
390-110	Resolve port interferences.Final port config		0	30JUN04*	1,323	10	0.00								
390-120	Update port map&revise diag port assignments		0	30JUN04*	1,323	10	0.00								
390-130	Rvw status of existing ICD's w/VV & Mod Coils		0	30JUN04*	1,323	10	0.00								
390-140	Write ICD's-Define external space for diagnostic		0	30JUN04*	1,323	10	0.00								
390-150	Write ICD's-Define space f/racks in cntrl rm		0	30JUN04*	1,323	10	0.00								
390-160	Start recruiting diag team at HTPD conference		0	30JUN04*	1,323	10	0.00								
390-170	Develop space envelopes for SXR		0	30JUN04*	1,323	10	0.00								
390-180	Hold CDR's co-wound mag sensors&ext saddle loops		0	30SEP04*	1,259	10	0.00								
390-010	LOE Support FY04	01OCT03A	250*	30SEP04	1,259	30	78,023.50								
390-015	LOE Support FY05 **reduced scope	01OCT04*	249*	30SEP05	1,010	30	66,038.70								
390-020	LOE Support FY06 **reduced scope	03OCT05*	249*	29SEP06	761	30	67,171.50								
390-025	LOE Support FY07 ** eliminated as part of MIE	02OCT06*	122*	30MAR07	469	30	0.00								
390-901	LOE Sprt FY07 1mo SO** eliminated as part of MIE	02APR07	22	01MAY07	469	0	0.00								

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08											
390-902	LOE Sprt FY07 1mo SO** eliminated as part of MIE	02MAY07	22	01JUN07	469	0	0.00																																																												
390-903	LOE Sprt FY07 1mo SO** eliminated as part of MIE	04JUN07	21	02JUL07	469	0	0.00																																																												
390-904	LOE Sprt FY07 1mo SO** eliminated as part of MIE	03JUL07	21	01AUG07	469	0	0.00																																																												
390-905	LOE Sprt FY07 1mo SO** eliminated as part of MIE	02AUG07	21	30AUG07	469	0	0.00																																																												
390-906	LOE Sprt FY07 1mo SO** eliminated as part of MIE	31AUG07	21	01OCT07	469	0	0.00																																																												
390-907	LOE Sprt FY07 1mo SO** eliminated as part of MIE	02OCT07	21	30OCT07	469	0	0.00																																																												
390-908	LOE Sprt FY07 1mo SO** eliminated as part of MIE	31OCT07	21	28NOV07	469	0	0.00																																																												

4 - Electrical Power Systems

41 - AC Power

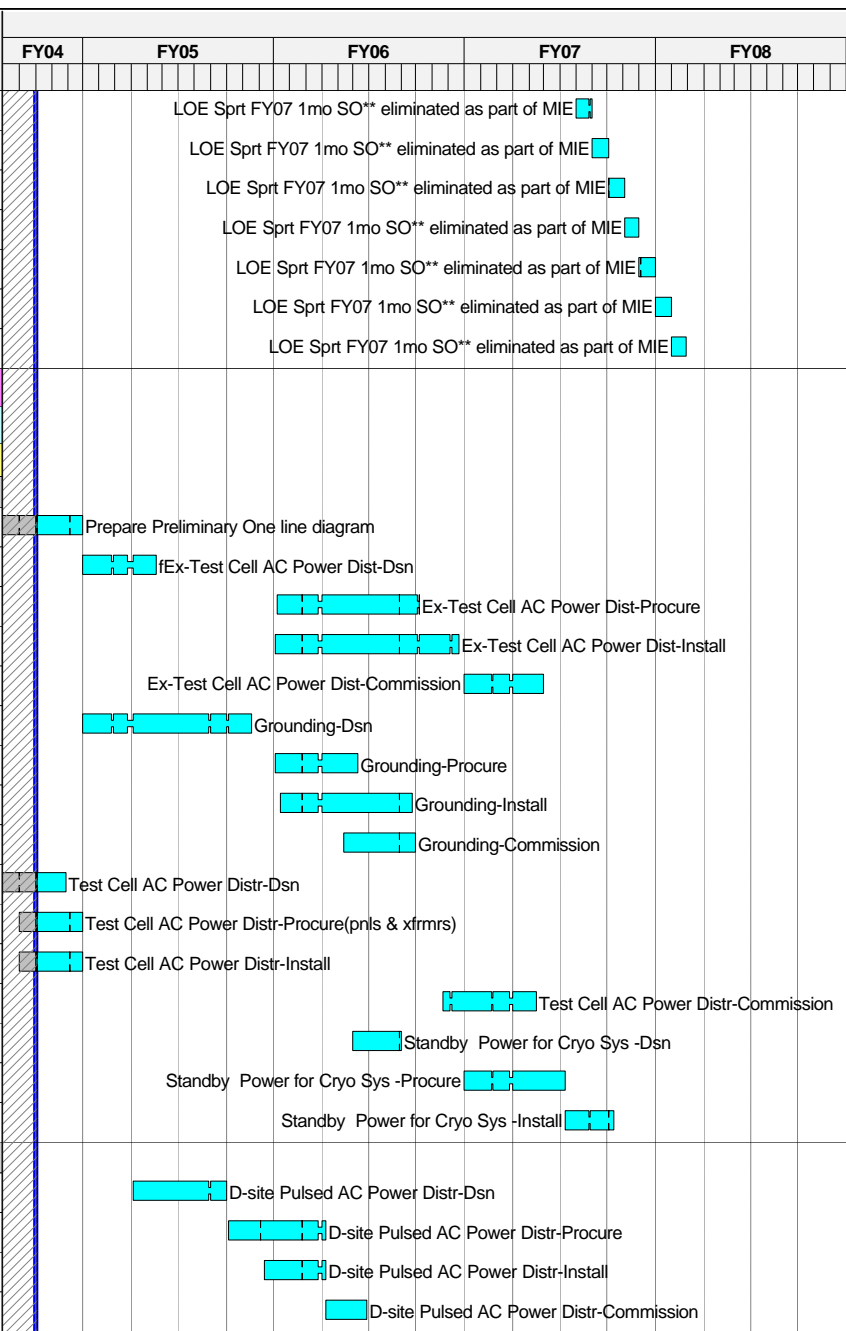
Job: 4101 - AC Power-RAMAKRISHNAN

411 - Auxiliary AC Power Systems

4101-100	Prepare Preliminary One line diagram	01MAR04A	151*	30SEP04	1,259	18	9,440.80
411-1-2	fEx-Test Cell AC Power Dist-Dsn	01OCT04*	92*	18FEB05	476	18	19,761.90
411-1-4	Ex-Test Cell AC Power Dist-Procure	07OCT05*	185*	06JUL06	370	18	11,745.00
411-1-6	Ex-Test Cell AC Power Dist-Install	03OCT05*	240	18SEP06	319	18	51,769.40
411-1-8	Ex-Test Cell AC Power Dist-Commission	02OCT06*	100	28FEB07	210	18	46,568.00
411-2-2	Grounding-Dsn	01OCT04*	220*	19AUG05	416	18	29,688.00
411-2-4	Grounding-Procure	03OCT05*	107	10MAR06	452	18	6,525.00
411-2-6	Grounding-Install	13OCT05*	172	22JUN06	379	18	55,912.00
411-2-8	Grounding-Commission	10FEB06*	100	30JUN06	373	18	17,128.00
411-3-2	Test Cell AC Power Distr-Dsn	01APR04A	106*	30AUG04	830	18	66,192.00
411-3-4	Test Cell AC Power Distr-Procure(pnls & xfrmrs)	01JUN04A	86*	30SEP04	808	18	67,967.90
411-3-6	Test Cell AC Power Distr-Install	01JUN04A	86*	30SEP04	808	18	56,984.00
411-3-8	Test Cell AC Power Distr-Commission	21AUG06*	121	16FEB07	218	18	30,926.44
411-4-2	Standby Power for Cryo Sys -Dsn	01MAR06*	65	31MAY06	295	18	0.00
411-4-4	Standby Power for Cryo Sys -Procure	02OCT06*	130	11APR07	210	18	0.00
411-4-6	Standby Power for Cryo Sys -Install	12APR07	65	13JUL07	210	18	0.00

412 - Experimental AC Power Systems

412-1-2	D-site Pulsed AC Power Distr-Dsn	04JAN05*	128	01JUL05	411	18	10,520.00
412-1-4	D-site Pulsed AC Power Distr-Procure	05JUL05	125	06JAN06	411	18	6,492.24
412-1-6	D-site Pulsed AC Power Distr-Install	14SEP05	75	06JAN06	467	18	15,996.88
412-1-8	D-site Pulsed AC Power Distr-Commission	09JAN06	56	27MAR06	411	18	9,643.20



Run Date 31AUG04 12:43

CD-3 Proposed Baseline
 Progress Bar
 Critical Activity


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NCSX
CD-3 Baseline

Sheet 37 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY									
								FY04	FY05	FY06	FY07	FY08					
42 - AC/DC Converters																	
422 - D-Site AC/DC Converters																	
422-1-8	Transrex power supplies Reactivation	02OCT06*	100	28FEB07	210	18	0.00										Transrex power supplies Reactivation
43 - DC Systems																	
Job: 4301 - DC Systems-RAMAKRISHNAN																	
FY03 Actual Cost																	
4301-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A		0	2,390.00										
431 - C-Site DC Systems																	
4301-100	Prel Design link box & physical details,location	01JUL04*	63	29SEP04	1,260	18	0.00										Prel Design link box & physical details,location
4301-104	clear EF/OH bldg of stored hardware	01JUL04	10	15JUL04	1,313	18	0.00										clear EF/OH bldg of stored hardware
431-1-2	Coil DC Cabling to link box (PCTB)-Dsn	13OCT05*	153	25MAY06	659	18	0.00										Coil DC Cabling to link box (PCTB)-Dsn
431-1-4	Coil DC Cabling to link box(PCTB)-Procure	01SEP06*	190	07JUN07	591	18	0.00										Coil DC Cabling to link box(PCTB)-Procure
431-1-6	Coil DC Cabling to (PCTB)-Install	08JAN07*	108	07JUN07	591	18	0.00										Coil DC Cabling to (PCTB)-Install
431-2-2	DC Cabling to Coils in TC-Dsn	13OCT05*	149	19MAY06	252	18	0.00										DC Cabling to Coils in TC-Dsn
431-2-4	DC Cabling to Coils in TC-Procure	01JUN06*	190	07MAR07	245	18	0.00										DC Cabling to Coils in TC-Procure
431-2-6	DC Cabling to Coils in TC-Install	27SEP06	108	07MAR07	245	18	0.00										DC Cabling to Coils in TC-Install
431-C-105	MG bus changes	02MAY05*	149*	01DEC05	968	18	61,178.91										MG bus changes
431-C-110	Robicon Supply R20 Design & Install	01OCT04*	541*	01DEC06	718	18	56,021.40										Robicon Supply R20 Design & Install
431-C-115	Robicon Supply R10 Design & Install	01OCT04*	541*	01DEC06	718	18	59,535.04										Robicon Supply R10 Design & Install
431-C-120	Robicon Supply R5/1 Design & Install	01OCT04*	541*	01DEC06	718	18	59,535.04										Robicon Supply R5/1 Design & Install
431-C-125	Robicon Supply R5/2 Design & Install	01OCT04*	541*	01DEC06	718	18	59,535.04										Robicon Supply R5/2 Design & Install
431-C-130	Robicon Supply R25/3 Design & Install	01OCT04*	541*	01DEC06	718	18	59,535.04										Robicon Supply R25/3 Design & Install
431-C-135	Robicon Supply R5/4 Design & Install	01OCT04*	541*	01DEC06	718	18	63,443.30										Robicon Supply R5/4 Design & Install
431-C-139	UCLA Supply Design & Install	01OCT04*	541*	01DEC06	718	18	99,027.14										UCLA Supply Design & Install
432 - D to C-Site DC Systems																	
432-100	Prepare Tower SOW and IP for BOA design	03NOV03A	10*	26NOV03A		18	6,141.60										
432-105	BOA design tower supports	12DEC03A	114*	28MAY04A		18	60,846.24										BOA design tower supports
432-110	Prep SOW and Requisition for tower installation	01APR04A	42*	28MAY04A		18	23,812.00										Prep SOW and Requisition for tower installation
432-115	Bid & Award Tower& external trays Installation	01JUN04A	42*	30JUL04A		18	0.00										Bid & Award Tower& external trays Installation
432-120	Install Tower Supports &external trays CANCELLED	20AUG04A	76*	20AUG04A		18	331,813.30										Install Tower Supports &external trays CANCELLED
432-1-2	DC Cabling-Dsn	01MAR04A	108*	30JUL04	611	18	28,046.40										DC Cabling-Dsn
432-1-4.0	Prepare SOW & Requisition for 1000MCM 5kv Cable	01APR04A	30	28MAY04A		26	0.00										Prepare SOW & Requisition for 1000MCM 5kv Cable
432-1-4.1	Bid & Award - Cable	01JUN04A	29*	12JUL04A		26	0.00										Bid & Award - Cable

Run Date 31AUG04 12:43

 CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

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NCSX CD-3 Baseline

Sheet 38 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	Gantt Chart (FY04-FY08)													
								FY04	FY05	FY06	FY07	FY08									
432-1-4.2	Cable Delivery CANCELLED	20AUG04A	57*	20AUG04A		26	0.00	Cable Delivery CANCELLED													
432-1-4.4	Prepare SOW & Requisition for Cable Installation	10AUG04*	30	21SEP04	614	26	0.00	■ Prepare SOW & Requisition for Cable Installation													
432-1-4.5	Bid & Award Cable Installation	02MAY05*	40	27JUN05	465	26	0.00	■ Bid & Award Cable Installation													
432-1-4.7	Procure trays	01JUL05*	20	29JUL05	462	26	0.00	■ Procure trays													
432-1-4.8	Install Trays	01AUG05	41	27SEP05	462	26	0.00	■ Install Trays													
432-1-4.6	S/C Install Cable [A/1]	14APR06*	9	26APR06	319	26	0.00	■ S/C Install Cable [A/1]													
432-1-6	DC Cabling-Installation Support	03OCT05*	140	26APR06	319	18	0.00	■ DC Cabling-Installation Support													
433 - D-Site DC Systems																					
433-1-2	DC Cabling-Dsn	01OCT04*	166	03JUN05	512	18	0.00	■ DC Cabling-Dsn													
433-1-4	DC Cabling-Procure	07OCT05*	75	31JAN06	350	18	0.00	■ DC Cabling-Procure													
433-1-6	DC Cabling-Install	03AUG06*	100	02JAN07	221	18	0.00	■ DC Cabling-Install													
433-2-4.0	Design Isolation switch	01APR04A	64*	30JUN04A		18	6,710.60	■ Design Isolation switch													
433-2-4.1	Prep Spec and Requisition for Isolation Switch	01APR04A	30	30JUN04A		18	6,710.60	■ Prep Spec and Requisition for Isolation Switch													
433-2-4.2	Bid & Award Isolation Switch	01JUN04A	43*	30JUL04	1,222	18	0.00	■ Bid & Award Isolation Switch													
433-2-4.3	Deliver Isolation Switch	02AUG04	40	27SEP04	1,222	18	0.00	■ Deliver Isolation Switch													
433-2-4.4	Prep SOW and Requisition for IS installation	01JUL04	30	12AUG04	1,223	18	0.00	■ Prep SOW and Requisition for IS installation													
433-2-4.5	Bid & Award IS Installation	13AUG04	30	24SEP04	1,223	18	0.00	■ Bid & Award IS Installation													
433-2-4.6	Install Isolation Switch	28SEP04	40	22NOV04	1,222	18	0.00	■ Install Isolation Switch													
433-3-2	NSTX OH PS changes-Dsn	01OCT04*	245*	26SEP05	210	18	0.00	■ NSTX OH PS changes-Dsn													
433-3-6	NSTX OH PS changes-Install	03OCT05*	180	22JUN06	206	18	0.00	■ NSTX OH PS changes-Install													
433-3-8	NSTX OH PS changes-Commission	23JUN06	143	23JAN07	206	18	0.00	■ NSTX OH PS changes-Commission													
433-4-2	NSTX TF Power Supply changes-Dsn	01OCT04*	238*	15SEP05	217	18	0.00	■ NSTX TF Power Supply changes-Dsn													
433-4-6	NSTX TF Power Supply changes-Install	28SEP05*	180	19JUN06	209	18	0.00	■ NSTX TF Power Supply changes-Install													
433-4-8	NSTX TF Power Supply changes-Commission	20JUN06	143	18JAN07	209	18	0.00	■ NSTX TF Power Supply changes-Commission													
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	22	108,242.75	■ C-site-Dsn interlock sys													
441-1-4	C-site-Procure	30SEP05*	149	08MAY06	391	18	65,245.64	■ C-site-Procure													
441-1-6	C-site-Install	27MAR06	238	08MAR07	184	18	156,937.26	■ C-site-Install													
441-2-2	D-site-Dsn	01OCT04*	345*	23FEB06	211	18	0.00	■ D-site-Dsn													
441-2-4	D-site-Procure	03OCT05*	192	11JUL06	267	18	0.00	■ D-site-Procure													
441-2-6	D-site-Install	26JUN06*	192	03APR07	126	18	0.00	■ D-site-Install													

Run Date 31AUG04 12:43



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NCSX CD-3 Baseline

Sheet 39 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY					
								FY04	FY05	FY06	FY07	FY08	
441-2-8	D-site-Commission	30NOV06*	123	30MAY07	126	18	0.00						
441-3-2	D-to-C-site-Dsn	03OCT05*	80	01FEB06	219	18	0.00						
441-3-4	D-to-C-site-Procure	07OCT05*	186*	07JUL06	269	18	0.00						
441-3-6	D-to-C-site-Install	02FEB06*	200	13NOV06	219	18	0.00						
441-3-8	D-to-C-site-Commission	19JUL06*	123	18JAN07	219	18	0.00						
442 - Kirk Key Interlocks													
442-1-2	Kirk Keys-Dsn	03OCT05*	41	30NOV05	380	18	15,100.00						
442-1-4	Kirk Keys-Procure	24OCT05*	185	21JUL06	221	18	13,050.00						
442-1-6	Kirk Keys-Install	24JUL06*	68	26OCT06	221	18	51,111.77						
442-1-8	Kirk Keys-Commission	27SEP06*	62	02JAN07	221	18	10,925.29						
443 - Real Time Control Systems													
443-1-2	Develop Control Algorithms-Dsn	21APR06*	142	09NOV06	221	18	12,799.32						
444 - Instrument Systems													
444-1-2	DC Current Transducers (DCCTs)-Dsn	13OCT05*	124	14APR06	217	18	0.00						
444-1-4	DC Current Transducers (DCCTs)-Procure	05DEC05*	164	01AUG06	282	18	0.00						
444-1-6	DC Current Transducers (DCCTs)-Install	17APR06*	160	01DEC06	217	18	0.00						
444-1-8	DC Current Transducers (DCCTs)-Commission	08JUN06*	143	08JAN07	217	18	0.00						
444-2-2	DC Potential Transducers (DCPTs)-Dsn	07OCT05*	95	28FEB06	210	18	30,200.00						
444-2-4	DC Potential Transducers (DCPTs)-Procure	30SEP05*	207	31JUL06	283	18	7,829.62						
444-2-6	DC Potential Transducers (DCPTs)-Install	01MAR06*	200	12DEC06	210	18	33,603.00						
444-2-8	DC Potential Transducers (DCPTs)-Commission	21JUL06*	120	17JAN07	210	18	16,697.40						
444-3-2	DC Shunts-Dsn	01OCT04*	122*	01APR05	506	18	14,844.00						
444-3-4	DC Shunts-Procure	29SEP05*	224	22AUG06	267	18	58,719.78						
444-3-6	DC Shunts-Install	20MAR06*	130	20SEP06	267	18	50,999.20						
444-3-8	DC Shunts-Commission	21SEP06*	65	22DEC06	222	18	17,077.81						
444-4-2	Signal Conditioning & Cabling-Dsn	23SEP05*	99	20FEB06	286	18	52,846.67						
444-4-4	Signal Conditioning & Cabling-Procure	13OCT05*	188	17JUL06	226	18	15,660.00						
444-4-6	Signal Conditioning & Cabling-Install	16MAY06*	130	16NOV06	226	18	29,050.34						
444-4-8	Signal Conditioning & Cabling-Commission	15SEP06*	65	18DEC06	226	18	21,559.32						
445 - Coil Protection Systems													
445-1-2	Ground Fault Protection-Dsn	01OCT04*	142	29APR05	373	22	63,120.00						
445-1-4	Ground Fault Protection-Procure	24NOV04*	187	26AUG05	290	22	23,256.00						
445-1-6	Ground Fault Protection-Install	05OCT05*	223	25AUG06	264	22	31,088.00						
445-1-8	Ground Fault Protection-Commission	05OCT06*	65	15JAN07	212	22	12,028.80						

Run Date 31AUG04 12:43

CD-3 Proposed Baseline
Progress Bar
Critical Activity




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NCSX

CD-3 Baseline

Sheet 40 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY						
								FY04	FY05	FY06	FY07	FY08		
445-2-0	Overload Protection & Cabling-Prelim Dsn	01MAR04A	131*	01SEP04	1,279	22	10,549.00							
445-2-1	Overload Protection & Cabling-Peer Review	02SEP04	0	01SEP04	1,279	22	0.00							
445-2-2	Overload Protection & Cabling-FinalDsn	05OCT05*	65	13JAN06	211	22	64,200.00							
445-2-4	Overload Protection & Cabling-Procure	30SEP05*	136	19APR06	264	22	46,976.56							
445-2-6	Overload Protection & Cabling-Install	16JAN06*	186	05OCT06	211	22	70,813.39							
445-2-8	Overload Protection & Cabling-Commission	09OCT06	65	17JAN07	210	22	44,704.80							
446 - Ground Fault Monitoing System														
446-1-2	GFMS-Dsn	03OCT05*	190	07JUL06	272	18	0.00							
446-1-4	GFMS-Procure/Fab/Install	02OCT06*	130	11APR07	213	18	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		0	112,340.00							
451 - System Design & Interfaces														
4501-100	Design Drawings	02FEB04A	171*	30SEP04	1,259	18	23,941.30							
4501-110	Calculations-Dsn	01MAR04A	151*	30SEP04	1,259	18	0.00							
451-0-1	C-Site Decision	30APR04A	0	30APR04A		18	0.00							
451-0-2	Develop SRD	01JUL04*	21	30JUL04	1,302	18	0.00							
451-7-20	FDR DC transmission		0	28MAY04A		18	0.00							
451-3-2	Dwgs,asbuilts -Elect Dsn	01OCT04*	747*	28SEP07	512	18	155,256.00							
451-2-1	CDR Power system -Dsn	01SEP04*	42*	29OCT04	1,238	18	41,512.00							
451-2-2	PDR Power system -Dsn	01MAR05*	69*	06JUN05	1,092	18	42,080.00							
451-1-2	Calculations-Dsn	01OCT04*	498*	29SEP06	761	18	50,856.40							
451-4-2	FDR AC auxiliaries & grounding-Dsn	03OCT05*	45	06DEC05	965	18	10,700.00							
451-7-2	FDR DC transmission-Dsn	01MAY04A	0*	28MAY04A		18	10,236.00							
451-8-2	FDR D-Site -Cabling	01OCT04*	45	06DEC04	1,214	18	0.00							
451-6-2	FDR C-Site -Cabling	01OCT04*	45	06DEC04	1,214	18	31,560.00							
451-2-2.1	FDR C-Site	01OCT04*	65	12JAN05	1,194	18	31,560.00							
451-2-2.2	FDR D-Site	01OCT04*	65	12JAN05	1,194	18	0.00							
452 - Electrical Systems Support														
452-1-2	Diagnostics AC Power Distr-Dsn	11AUG05*	108*	20JAN06	230	26	82,525.34							
452-1-4	Diagnostics AC Power Distr-Procure	05OCT05*	248	02OCT06	269	26	1,305.19							
452-1-6	Diagnostics AC Power Distr-Install	23JAN06	217	28NOV06	230	26	73,298.36							
452-1-8	Diagnostics AC Power Distr-Commission	23OCT06*	65	31JAN07	230	26	30,108.00							

Run Date	31AUG04 12:43	 CD-3 Proposed Baseline  Progress Bar  Critical Activity	ZZZZ	NCSX CD-3 Baseline	Sheet 41 of 52
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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04					FY05					FY06					FY07					FY08				
452-2-2	Diagnostics sensor cabling-Dsn	11AUG05*	97*	05JAN06	328	26	23,748.58											■														
452-2-4	Diagnostics sensor cabling-Procure	05OCT05*	240	20SEP06	277	26	2,610.00											■														
452-2-6	Diagnostics sensor cabling-Install	30MAY06*	130	01DEC06	227	26	20,556.31											■														
452-2-8	Diagnostics sensor cabling-Commission	26OCT06*	65	05FEB07	227	26	6,021.60											■														
453 - System Testing (PTP's)																																
453-1-2	New Procedures	06OCT05*	90	20FEB06	306	18	64,200.00											■														
453-1-4	Preop Testing-Procure test equipt	26JUN06*	160	16FEB07	218	18	33,300.63											■														
453-1-8	Testing PTPs, ISTPs	07FEB07*	100	27JUN07	126	18	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		0	1,300.00																									
4601-100	Clear area in West wing SPS to HVAC equipt	01JUL04	65	01OCT04	1,258	26	0.00	■																								
460-2-4	Clear the small Vacuum prep lab -Procure	01OCT04*	65	12JAN05	1,129	26	0.00	■																								
460-2-6	Clear the small Vacuum prep lab -Install	13JAN05	65	13APR05	1,129	26	0.00	■																								
460-3-2	Floor & Wall Penetrations-Dsn	01OCT04*	65	12JAN05	483	26	0.00	■																								
460-3-4	Floor & Wall Penetrations-Procure	13JAN05	65	13APR05	483	26	0.00	■																								
460-3-6	Floor & Wall Penetrations-Install	14APR05	65	15JUL05	483	26	0.00	■																								
460-4-2	Mechanical Modifications-Dsn	01APR05*	65	01JUL05	362	26	0.00	■																								
460-4-4	Mechanical Modifications-Procure	05JUL05	65	04OCT05	362	26	0.00	■																								
460-4-6	Mechanical Modifications-Install	05OCT05	65	13JAN06	362	26	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		3	11,900.00																									
51-01	FY04 LOE support	01OCT03A	250*	30SEP04	1,259	3	12,504.40	■																								
51-02	FY05 LOE support	01OCT04*	249*	30SEP05	1,010	3	12,848.40	■																								
51-10	Preliminary Design (Title I)	21AUG06*	45	23OCT06	214	5	6,246.40											■														
51-20	Final Network Design (Title II)	24OCT06	20	20NOV06	214	5	6,548.00											■														
51-30	Installation, Testing, Documentation (Title III)	21NOV06*	120	17MAY07	214	5	255,709.60											■														

Run Date 31AUG04 12:44

■ CD-3 Proposed Baseline
 ■ Progress Bar
 ■ Critical Activity

ZZZZ

NCSX
 CD-3 Baseline

Sheet 42 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08											
52 - Central Instrumentation & Control																																																																			
52-10	Preliminary Design (Title I)	03JUL06*	45	05SEP06	128	10	24,320.00																																					Preliminary Design (Title I)																							
52-20	Final Design (Title II)	06SEP06	87	16JAN07	128	10	103,218.76																																					Final Design (Title II)																							
52-30	Installation, Testing, Documentation (Title III)	17JAN07*	173	19SEP07	128	10	533,178.40																																					Installation, Testing, Documentation (Title III)																							
53 - Data Acquisition & Facility Computing																																																																			
53-10	Preliminary Design (Title I)	01AUG06*	45	03OCT06	130	16	48,806.40																																					Preliminary Design (Title I)																							
53-20	Final Design (Title II)	04OCT06	65	12JAN07	130	16	78,576.00																																					Final Design (Title II)																							
53-30	Coding, Configuration, Testing (Title III)	15JAN07	173	17SEP07	130	16	287,546.40																																					Coding, Configuration, Testing (Title III)																							
54 - Facility Timing & Synchronization																																																																			
54-10	Preliminary Design (Title I)	02OCT06*	45	05DEC06	125	14	39,288.00																																					Preliminary Design (Title I)																							
54-20	Final Design (Title II)	06DEC06	65	14MAR07	125	14	58,932.00																																					Final Design (Title II)																							
54-30	Installation, Testing, Documentation (Title III)	15MAR07	135	24SEP07	125	14	193,731.60																																					Installation, Testing, Documentation (Title III)																							
55 - Real Time Plasma & Power Supply Control Sys																																																																			
55-10	Preliminary Design (Title I)	02OCT06*	45	05DEC06	185	8	13,096.00																																					Preliminary Design (Title I)																							
55-20	Final Design (Title II)	06DEC06	20	10JAN07	185	8	13,096.00																																					Final Design (Title II)																							
55-30	Installation, Testing, Documentation (Title III)	11JAN07	120	28JUN07	185	8	127,526.00																																					Installation, Testing, Documentation (Title III)																							
56 - Central Safety Interlock Systems																																																																			
56-10	Preliminary Design (Title I)	02OCT06*	87	09FEB07	130	8	26,192.00																																					Preliminary Design (Title I)																							
56-20	Final Design (Title II)	12FEB07	45	13APR07	130	8	26,192.00																																					Final Design (Title II)																							
56-30	Installation, Testing, Documentation (Title III)	16APR07	108	17SEP07	130	8	309,270.00																																					Installation, Testing, Documentation (Title III)																							
57 - Control Room Facility																																																																			
57-10	Preliminary Design (Title I)	02OCT06*	45	05DEC06	218	3	0.00																																					Preliminary Design (Title I)																							
57-20	Final Design (Title II)	06DEC06	20	10JAN07	218	3	0.00																																					Final Design (Title II)																							

Run Date 31AUG04 12:44

 CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

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**NCSX
CD-3 Baseline**

Sheet 43 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08											
57-30	Installation, Testing, Documentation (Title III)	11JAN07	87	11MAY07	218	3	0.00																									Installation, Testing, Documentation (Title III)																																			
6 - Facility Systems																																																																			
61 - Water Systems																																																																			
611 - C-Site Cooling System																																																																			
615.011	Engr recommissioning of C-Site Water systems	03JUL06*	44	01SEP06	251	20	9,796.20																									Engr recommissioning of C-Site Water systems																																			
615.021	Replace valves, resins, filters	06OCT06*	65	16JAN07	228	20	143,473.60																									Replace valves, resins, filters																																			
612 - NB Water Cooling Systems																																																																			
622.001	WBS 612 Preliminary design	30MAY06*	79	19SEP06	238	20	35,824.00																									WBS 612 Preliminary design																																			
622.011	WBS 612 Final Design	20SEP06	60	14DEC06	238	20	23,802.66																									WBS 612 Final Design																																			
622.021	WBS 612 Assembly/Fabrication/Installation	31JAN07*	80	22MAY07	211	20	180,299.92																									WBS 612 Assembly/Fabrication/Installation																																			
613 - Vacuum Pumping System																																																																			
623.010	LOE WBS 612	06OCT04*	410*	31MAY06	846	20	10,033.20	LOE WBS 612																																																											
623.011	Design WBS 612	01JUN06*	118	15NOV06	224	20	22,793.02																									Design WBS 612																																			
632.021	WBS 612 Assembly/Fabrication/Installation	31JAN07*	40	27MAR07	178	20	67,180.00																									WBS 612 Assembly/Fabrication/Installation																																			
614 - Bakeout Water System																																																																			
625.001	WBS 614 Preliminary design	03OCT05*	58	23DEC05	459	20	12,178.00																									WBS 614 Preliminary design																																			
625.011	WBS 614 Final Design	03JAN06	62	29MAR06	459	20	12,178.00																									WBS 614 Final Design																																			
625.021	WBS 614 Assembly/Fabrication	20JUL07	40	14SEP07	131	20	14,153.80																									WBS 614 Assembly/Fabrication																																			
62 - Cryogenic Systems																																																																			
621 - LN2-LHe Supply System																																																																			
631-001	Preliminary Design	02OCT06*	65	10JAN07	135	20	16,189.10																									Preliminary Design																																			
631-010	Final Design**reduced scope	11JAN07	65	11APR07	135	20	18,085.10																									Final Design**reduced scope																																			
631-015	Fab/Assy/Installation**reduced scope	08JUN07*	65	10SEP07	135	20	72,233.00																									Fab/Assy/Installation**reduced scope																																			
631-020	Procurement **reduced scope	12APR07*	88	15AUG07	135	20	118,435.20																									Procurement **reduced scope																																			
622 - LN2 Coil Cooling Supply																																																																			
632-001	Preliminary Design**deleted scope	02AUG06*	65	01NOV06	152	20	0.00																									Preliminary Design**deleted scope																																			
632-010	Final Design**deleted scope	02NOV06	65	12FEB07	152	20	0.00																									Final Design**deleted scope																																			
632-015	Fab/Assy/Installation**deleted scope	13MAR07*	110	15AUG07	152	20	0.00																									Fab/Assy/Installation**deleted scope																																			
632-020	Procurement**deleted scope	13FEB07*	130	15AUG07	152	20	0.00																									Procurement**deleted scope																																			
623 - GN2 Cryostat Cooling System																																																																			
633-001	Preliminary Design	05SEP06*	65	06DEC06	129	20	15,850.90																									Preliminary Design																																			
633-010	Final Design	07DEC06	65	15MAR07	129	20	25,669.10																									Final Design																																			
633-015	Fab/Assy/Installation	15MAY07*	88	18SEP07	129	20	72,933.10																									Fab/Assy/Installation																																			

Run Date 31AUG04 12:44

 CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

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NCSX
CD-3 Baseline

Sheet 44 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08											
633-020	Procurement	16MAR07*	130	18SEP07	129	20	108,092.40																																																	Procurement											
63 - Utility Systems																																																																			
640.010	FY04/05 LOE support	06OCT04*	489*	21SEP06	767	20	16,749.14	FY04/05 LOE support																																																											
640.011	Design GN2, Air & Vent Systems	02OCT06*	117	23MAR07	153	20	33,512.00													Design GN2, Air & Vent Systems																																															
640.021	Assembly/Fabrication	26MAR07*	40	18MAY07	153	20	72,413.80													Assembly/Fabrication																																															
64 - PFC/VV Heating & Cooling																																																																			
650.001	Preliminary Design	01SEP06*	87	12JAN07	131	20	124,583.24													Preliminary Design																																															
650.005	Final Design	15JAN07	50	23MAR07	131	20	81,908.00													Final Design																																															
650.010	Lab Fab/Assy/Installation/Test	26MAR07*	122	14SEP07	131	20	153,824.20													Lab Fab/Assy/Installation/Test																																															
650.012	Procured Hardware/Material	10APR07*	111	14SEP07	131	20	102,657.36													Procured Hardware/Material																																															
650.015	Procured Installation/Assy	17JUL07*	43	14SEP07	131	20	0.00													Procured Installation/Assy																																															
65 - Facility Systems Integration																																																																			
Job: 6163 - Facility Systems Support FY04																																																																			
65-03	LOE WBS 6	01OCT03A	250*	30SEP04	1,259	20	32,220.00	LOE WBS 6																																																											
Job: 6501 - Facility Systems Integration-DUDEK																																																																			
FY03 Actual Cost																																																																			
6501-001	Apr-Sept MIE Cost PPPL	01APR03A	0	30SEP03A	0		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	0		32,150.00																																																												
72 - Control Room Refurbishment																																																																			
Job: 7201 - Control Room Walls&Floors-PERRY																																																																			
710.001	Block Wall east side control room	16AUG04*	24	17SEP04	1,250	10	39,512.00	Block Wall east side control room																																																											
711B.050	Complete Control Room Flooring	20SEP04	18	13OCT04	1,250	10	8,222.40	Complete Control Room Flooring																																																											
73 - Platform Design & Fabrication																																																																			
Job: 7301 - Platform Design & Fab-PERRY																																																																			
712.008	Update Platform Specification	23JUL04*	25	26AUG04	1,259	24	6,460.00	Update Platform Specification																																																											

Run Date 31AUG04 12:44

 CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

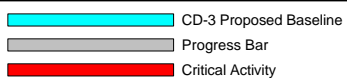
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**NCSX
CD-3 Baseline**

Sheet 45 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08											
712.009	Platform PDR		0	26AUG04	1,259	24	0.00	▼ Platform PDR																																																											
711A.040	Platform nut plates	02JUL04*	63*	30SEP04	1,259	6	28,922.00	■ Platform nut plates																																																											
712.010	Final Design	27AUG04*	24*	30SEP04	1,283	6	54,170.00	■ Final Design																																																											
Job: 7401 - TC Prep & Mach Assy Planning-PERRY																																																																			
712.020	Fab & Assemble Platform	03OCT05*	132	10APR06	288	10	24,296.30													■ Fab & Assemble Platform																																															
712.030	Miscs Hardware/Material	03OCT05*	132	10APR06	288	10	45,675.00													■ Miscs Hardware/Material																																															
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		15	131,680.00																																																												
Oversight and Supervision																																																																			
711A.020	LOE FY04	01OCT03A	256*	30SEP04	1,283	15	149,894.50	■ LOE FY04																																																											
Project Scope																																																																			
714.010	LOE FY05	01OCT04*	249	30SEP05	342	15	236,807.20	■ LOE FY05																																																											
714.020	LOE FY06 prior to assy starting	03OCT05	122	31MAR06	342	15	118,111.86													■ LOE FY06 prior to assy starting																																															
714.030	LOE FY07 thru first plasma	03JUL06*	366	17DEC07	278	15	551,373.85													■ LOE FY07 thru first plasma																																															
714.031	WBS 7 mgt stretch out cost	18DEC07	180	05SEP08	278	15	287,913.60																									■ WBS 7 mgt stretch out cost																																			
FED/Infrastructure Support (non Project cost)																																																																			
613.010	Remove Shield Walls ** GPP **	01APR04A	64*	22JUN04A			0.00	■ Remove Shield Walls ** GPP **																																																											
613.015	Fabricate New Bottom Course of Blocks **GPP**	01APR04A	160*	15NOV04	1,251		0.00	■ Fabricate New Bottom Course of Blocks **GPP**																																																											
613.017	Install New Bottom Course **GPP**	02AUG04*	107*	04JAN05	1,219		0.00	■ Install New Bottom Course **GPP**																																																											
613.020	Remove south PLT shielding (cc 7230)	01JUN04A	0*	22JUN04A			0.00	■ Remove south PLT shielding (cc 7230)																																																											
613.025	Dispose of old south PLT shielding **GPP**	01JUL04*	32*	16AUG04	1,315		0.00	■ Dispose of old south PLT shielding **GPP**																																																											
EXFAC003	Clear PBX control room & Safe PBX (cc7230)	27JAN03A	110*	30JUN03A			0.00																																																												
EXFAC004	Remove Fire protection PLT wall (cc7230)	01MAY03A	21	09MAY03A			0.00																																																												
EXFAC005	Remove Fire Protection under platform (cc7230)	01APR03A	21	30APR03A			0.00																																																												
EXFAC006	Remove Fire Protection Control rm walls(cc7230)	01MAY03A	21	09MAY03A			0.00																																																												
EXFAC007	Remove PBX Base Plates cc7230)	25FEB04A	48*	12MAR04A			0.00																																																												
GPP001	GPP-Upgarde C-Site central chilled wtr plant*TBD	01OCT02A	1	01OCT02A			0.00																																																												
GPP004	GPP-Roofing Design	01APR04A	128*	30SEP04	1,259		0.00	■ GPP-Roofing Design																																																											
GPP004.1	GPP-Roofing Install	02AUG04*	43*	30SEP04	1,259		0.00	■ GPP-Roofing Install																																																											
GPP005	GPP-Test Cell lighting Design	01APR04A	64*				0.00	■ GPP-Test Cell lighting Design																																																											
GPP005.1	GPP-Test Cell lighting Install	01JUL04	64	30SEP04	1,259		0.00	■ GPP-Test Cell lighting Install																																																											

Run Date 31AUG04 12:44



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NCSX CD-3 Baseline

Sheet 46 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04					FY05					FY06					FY07					FY08				
GPP006	GPP-Test Cell HVAC/dew point control Design	01OCT04*	120	30MAR05	1,011		0.00						GPP-Test Cell HVAC/dew point control Design																			
GPP006.1	GPP-Test Cell HVAC/dew point control Install	31MAR05	128	29SEP05	1,011		0.00						GPP-Test Cell HVAC/dew point control Install																			
GPP007	GPP-C-Site elevators Design	01JUL04*	0*	30JUN04	1,259		0.00						GPP-C-Site elevators Design																			
GPP007.1	GPP-C-Site elevators Install	01JUL04	64*	30SEP04	1,259		0.00						GPP-C-Site elevators Install																			
GPP008	GPP-Fire suppression high bay design	01JUL04*	64	30SEP04	1,195		0.00						GPP-Fire suppression high bay design																			
GPP008.1	GPP-Fire suppression high bay install	01OCT04	64	11JAN05	1,195		0.00						GPP-Fire suppression high bay install																			
GPP009	Control Room Lights & Outlets design	01OCT04*	121*	31MAR05	1,010		0.00						Control Room Lights & Outlets design																			
GPP009.1	Control Room Lights & Outlets install	01APR05	64	30JUN05	1,010		0.00						Control Room Lights & Outlets install																			
GPP010	Control Room HVAC Design	01OCT04*	121*	31MAR05	1,010		0.00						Control Room HVAC Design																			
GPP010.1	Control Room HVAC Install	01APR05	64	30JUN05	1,010		0.00						Control Room HVAC Install																			
GPP011	Control Room Ceiling Design	01APR05*	64	30JUN05	1,010		0.00						Control Room Ceiling Design																			
GPP011.1	Control Room Ceiling Install	01JUL05	64	30SEP05	1,010		0.00						Control Room Ceiling Install																			
GPP012	Control Rm Fire Detection & Suppression Design	01OCT04*	121*	31MAR05	1,010		0.00						Control Rm Fire Detection & Suppression Design																			
GPP012.1	Control Rm Fire Detection & Suppression Install	01APR05	64	30JUN05	1,010		0.00						Control Rm Fire Detection & Suppression Install																			
Test Cell Modifications & Upgrades																																
613.030	Test Cell copper ground plane cuts	02AUG04*	43*	30SEP04	1,283	24	10,490.00						Test Cell copper ground plane cuts																			
713.010	General procurements	01JUL04*	64*	30SEP04	1,283	24	19,110.00						General procurements																			
7502-000	Outlet Design	02FEB04A	107*	30JUN04A		24	25,272.00						Outlet Design																			
7502-001	Test Cell 110v outlets	02AUG04*	20	27AUG04	1,282	24	14,268.80						Test Cell 110v outlets																			
7502-002	Test Cell 208v outlets	02AUG04*	20	27AUG04	1,282	24	7,134.40						Test Cell 208v outlets																			
7502-010	Ready Rooms (under control room) 110v outlets	02AUG04*	20	27AUG04	1,156	24	7,134.40						Ready Rooms (under control room) 110v outlets																			
7502-011	Cable Removal in test cell (S04335-32)	01OCT03A	0*	31OCT03A		24	9,937.20																									
7502-025	TC Floor penetration covers	03NOV03A	42	26NOV03A		24	16,848.00																									
EXFAC001.2	Complete Crane Modifications (S04354)	02FEB04A	0*	30JAN04A		24	37,608.48																									
75 - Test Cell and Basement Assembly Operations																																
7501 - Construction Support Crew																																
7501-05	Construction Support Crew during machine assy	22MAY06	356	19OCT07	106	24	810,951.42						Construction Support Crew during machine assy																			
7501-06	Construction Support Crew during e-beam mapping	05NOV07	41	10JAN08	446	24	94,025.50						Construction Support Crew during e-beam mapping																			
7501-07	Construction Support Crew during cryostat instl	06AUG07	40	01OCT07	511	24	92,837.72						Construction Support Crew during cryostat instl																			
7502 - Test Cell Facility Preparations																																
7502-020	Resurface TC floor	04OCT04*	42	02DEC04	1,132	24	30,248.00						Resurface TC floor																			
7502-030	TC Floor firesealing	03DEC04*	42	09FEB05	1,132	24	12,996.00						TC Floor firesealing																			

Run Date 31AUG04 12:44

- CD-3 Proposed Baseline
- Progress Bar
- Critical Activity


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NCSX CD-3 Baseline

Sheet 47 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08											
7502-035	Control room firesealing	10FEB05*	42	08APR05	1,132	24	8,664.00																																																												
7503 - Machine Assembly																																																																			
730.1000	Begin Assembly Activities	08SEP06*	0		178	24	0.00																																																												
730.1020	Install & Level Support Base Plates	08SEP06	15	28SEP06	178	24	34,504.00																																																												
730.1030	Install/Level Machine Support Columns	29SEP06	25	02NOV06	178	24	55,592.16																																																												
730.1040	Install Platform	03NOV06	55	30JAN07	178	24	235,023.20																																																												
730.1050	Install Lighting, Fire Det/Supprs under platform	31JAN07	160	14SEP07	522	24	70,761.60																																																												
730.1060	Install Lower Cryostat Floor	08JAN07	5	12JAN07	150	24	18,584.00																																																												
730.1070	Install Lower PF 3,4,5&6 into prelim position	09FEB07	5	15FEB07	131	24	18,584.00																																																												
730.1081	1st Field Period Assembly-Position	13MAR07	12	28MAR07	114	24	44,601.60																																																												
730.1082	1st Field Period Assembly-Weld	29MAR07	4	03APR07	114	24	14,867.20																																																												
730.1083	1st Field Period Assembly-Leak Check	04APR07	5	10APR07	114	24	18,584.00																																																												
730.1091	2nd Field Period Assembly-Position	18APR07	12	03MAY07	109	24	44,601.60																																																												
730.1092	2nd Field Period Assembly-Weld	04MAY07	4	09MAY07	109	24	14,867.20																																																												
730.1093	2nd Field Period Assembly-Leak Check	10MAY07	5	16MAY07	109	24	18,584.00																																																												
730.1101	3rd Field Period Assembly-Position	22MAY07	24	25JUN07	106	24	89,203.20																																																												
730.1102	3rd Field Period Assembly-Weld	26JUN07	4	29JUN07	106	24	14,867.20																																																												
730.1103	3rd Field Period Assembly-Leak Check	02JUL07	5	09JUL07	106	24	18,584.00																																																												
730.1130	Make Final Vacuum Pump Connections to VV	10JUL07	13	26JUL07	106	24	37,168.00																																																												
730.1139	Begin Vac Vsl Pumpdown	27JUL07	0		106	24	0.00																																																												
730.1140	PTP Pumpdown & leak check VV (WBS 220-025)	27JUL07	10	09AUG07	106	24	47,012.00																																																												
730.1150	Raise lower PF-3,4,5&6 coils into final position	10AUG07	3	14AUG07	106	24	11,615.00																																																												
730.1170	Install PF Solenoid into position (U/L 1&2 PF)	15AUG07	4	20AUG07	106	24	13,938.00																																																												
730.1175	Install Upper PF-3,4,5 & 6 coils	21AUG07	3	23AUG07	106	24	11,615.00																																																												
730.1180	Install Bus connections to coil sys (WBS 431-131)	27JUL07	40	21SEP07	106	24	0.00																																																												
730.1210	Connect Cooling System (WBS 61)	10AUG07	25	14SEP07	111	24	0.00																																																												
730.1230	Complete Bus connections (WBS 4)	27JUL07	40	21SEP07	106	24	37,168.00																																																												
730.8074	Begin Cryostat Installation	06AUG07*	0		130	30	0.00																																																												
730.8075	Prep Cryostat for installation	06AUG07	10	17AUG07	130	30	65,560.00																																																												
730.8100	Cryo stat installation	24SEP07	20	19OCT07	106	30	131,972.00																																																												
730.1248	ACC Review	17SEP07*	20	12OCT07	106	30	0.00																																																												
730.1249	PSO Operational Readiness Assessment	15OCT07	5	19OCT07	106	30	0.00																																																												

Run Date 31AUG04 12:44

 CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

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NCSX CD-3 Baseline

Sheet 48 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	Gantt Chart											
								FY04	FY05	FY06	FY07	FY08							
730.1250	PSO Operational Readiness Assessment		0	19OCT07	106	24	0.00	PSO Operational Readiness Assessment											
730.8200	PTP and Cooldown	22OCT07	10	02NOV07	106	30	66,128.00	PTP and Cooldown											
76 - Tooling Design & Fabrication																			
713.020	Lab Fab/Assy/Installation	01OCT04*	764*	28SEP07	519	24	29,973.45	Lab Fab/Assy/Installation											
713.030	Tooling,assy fixtures,misc equipt	03APR06*	383*	28SEP07	519	24	80,177.55	Tooling,assy fixtures,misc equipt											
713.040	General procurements	03APR06*	383*	28SEP07	519	24	60,133.16	General procurements											
713.050	Welding tools, materials & equipt	03APR06*	383*	28SEP07	519	24	53,451.70	Welding tools, materials & equipt											
77 - Measurement Systems																			
780.000	No additional tools/devices needed.	01JUL04	999*	30MAY08	348	0	0.00	No addit											
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		0	387,340.00												
M-0110	CD-2		0	03FEB04A			0.00												
810.009	PDR Support	01OCT03A	3*	31OCT03A		17	41,163.08												
M-0115	CD-3		0	24AUG04	311		0.00	CD-3											
810.002	Project Management Office PPPL FY04	01OCT03A	256*	30SEP04	1,283	17	689,154.82	Project Management Office PPPL FY04											
810.003	Project Management Office PPPL FY05	01OCT04*	255*	30SEP05	1,028	17	663,845.58	Project Management Office PPPL FY05											
810.004	Project Management Office PPPL FY06	03OCT05*	254*	29SEP06	519	17	495,029.52	Project Management Office PPPL FY06											
810.004X	Project Management Office PPPL FY07	02OCT06	65	04JAN07	519	17	124,583.20	Project Management Office PPPL FY07											
810.005	Project Management OfficePPPL FY07	05JAN07	190*	28SEP07	519	17	293,453.40	Project Management OfficePPPL FY07											
810.900	Project Management Office PPPL 1 mo SO	01OCT07*	21	29OCT07	351	0	34,410.70	Project Management Office PPPL 1 mo SO											
810.990	Project Management Office PPPL 1 mo SO	30OCT07*	21	27NOV07	351	0	34,410.70	Project Management Office PPPL 1 mo SO											
810.991	Project Management Office PPPL 1 mo SO	28NOV07*	21	31DEC07	351	0	34,410.70	Project Management Office PPPL 1 mo SO											
810.992	Project Management Office PPPL 1 mo SO	02JAN08*	21	30JAN08	351	0	34,410.70	Project Management Office PPPL 1 mo SO											
810.993	Project Management Office PPPL 1 mo SO	31JAN08*	21	28FEB08	351	0	34,410.70	Project Management Office PPPL 1 mo SO											
810.994	Project Management Office PPPL 1 mo SO	29FEB08*	21	28MAR08	351	0	34,410.70	Project Management Office PPPL 1 mo SO											
810.995	Project Management Office PPPL 1 mo SO	31MAR08*	21	28APR08	351	0	34,410.70	Project Management Office PPPL 1 mo SO											

Run Date 31AUG04 12:44

CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

ZZZZ

NCSX
 CD-3 Baseline

Sheet 49 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	FY04												FY05												FY06												FY07												FY08											
810.996	Project Management Office PPPL 1 mo SO	29APR08*	21	27MAY08	351	0	34,410.70																																																	Project Management Office PPPL 1 mo SO											
Job: 8102 - NCSX MIE Management ORNL-LYON																																																																			
FY03 Actual Cost																																																																			
810.101	Apr-Sept MIE Cost ORNL	01APR03A	129*	30SEP03A		0	58,600.00																																																												
810.102	Project Management Office ORNL FY04	01OCT03A	256*	30SEP04	1,283	17	120,228.22	Project Management Office ORNL FY04																																																											
810.103	Project Management Office ORNL FY05	01OCT04*	255*	30SEP05	1,028	17	85,894.36	Project Management Office ORNL FY05																																																											
810.104	Project Management Office ORNL FY06	03OCT05*	254*	29SEP06	519	17	49,323.49	Project Management Office ORNL FY06																																																											
810.104X	Project Management Office ORNL FY06	02OCT06	65	04JAN07	519	17	14,321.54	Project Management Office ORNL FY06																																																											
810.105	Project Management Office ORNL FY07	05JAN07	190*	28SEP07	519	17	33,631.32	Project Management Office ORNL FY07																																																											
810.901	Project Management Office ORNL 1 mo SO	02OCT07*	21	30OCT07	350	0	2,834.10	Project Management Office ORNL 1 mo SO																																																											
810.980	Project Management Office ORNL 1 mo SO	31OCT07*	21	28NOV07	350	0	2,834.10	Project Management Office ORNL 1 mo SO																																																											
810.981	Project Management Office ORNL 1 mo SO	03DEC07*	21	02JAN08	350	0	2,834.10	Project Management Office ORNL 1 mo SO																																																											
810.982	Project Management Office ORNL 1 mo SO	03JAN08*	21	31JAN08	350	0	2,834.10	Project Management Office ORNL 1 mo SO																																																											
810.983	Project Management Office ORNL 1 mo SO	01FEB08*	21	29FEB08	350	0	2,834.10	Project Management Office ORNL 1 mo SO																																																											
810.984	Project Management Office ORNL 1 mo SO	03MAR08*	21	31MAR08	350	0	2,834.10	Project Management Office ORNL 1 mo SO																																																											
810.985	Project Management Office ORNL 1 mo SO	01APR08*	21	29APR08	350	0	2,834.10	Project Management Office ORNL 1 mo SO																																																											
810.986	Project Management Office ORNL 1 mo SO	30APR08*	21	28MAY08	350	0	2,834.10	Project Management Office ORNL 1 mo SO																																																											
82 - Project Engineering																																																																			
Job: 8202 - Engr Mgmt & Sys Eng Support-REIERSEN																																																																			
FY03 Actual Cost																																																																			
820.110	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		0	295,530.00																																																												
820.002	LOE FY04	01OCT03A	256*	30SEP04	1,283	17	626,751.30	LOE FY04																																																											
Job: 8203 - Design Integration-REIERSEN																																																																			
FY03 Actual Cost																																																																			
820.150	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		0	178,750.00																																																												
820.200	LOE FY04	01OCT03A	256*	30SEP04	1,283	17	257,272.80	LOE FY04																																																											
Job: 8204 - Systems Analysis-REIERSEN																																																																			
FY03 Actual Cost																																																																			
820.173	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		0	44,620.00																																																												
820.174	LOE FY04	01OCT03A	172*	30SEP04	1,283	17	150,254.50	LOE FY04																																																											
8204.01	Assess magnetic material in test cell	02FEB04A	85*	28MAY04A		32	38,568.00	Assess magnetic material in test cell																																																											

Run Date 31AUG04 12:44

CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

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NCSX CD-3 Baseline

Sheet 50 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	Year				
								FY04	FY05	FY06	FY07	FY08
8204.02	Model effects local high MU regions on MCWF	01MAY04A	29	28MAY04A		32	19,284.00	Model effects local high MU regions on MCWF				
820.003	Proj engr,Sys Integr.,Designers, Deputy PM FY05	01OCT04*	255*	30SEP05	1,028	17	933,340.30	Proj engr,Sys Integr.,Designers, Deputy PM FY05				
820.004	Proj engr,Sys Integr.,Designers, Deputy PM FY06	03OCT05*	254*	29SEP06	348	17	870,153.80	Proj engr,Sys Integr.,Designers, Deputy PM FY06				
820.004X	Proj engr,Sys Integr.,Designers, Deputy PM FY07	02OCT06	65	04JAN07	348	17	240,404.50	Proj engr,Sys Integr.,Designers, Deputy PM FY07				
820.004Z	Proj engr,Sys Integr.,Designers, Deputy 8mo s.o.	05JAN07	187	25SEP07	348	17	692,941.22	Proj engr,Sys Integr.,Designers, Deputy 8mo s.o.				
820.005	Proj engr,Sys Integr.,Designers, Deputy PM FY07	26SEP07*	174*	30MAY08	348	17	375,239.54	Proj engr,Sys Integr.,Designers, Deputy PM FY07				
84 - Project Physics												
Job: 8401 - Project Physcis-ZARNSTORFF												
FY03 Actual Cost												
840.201	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		0	210,270.00					
840.202	Project Physics/Engr Analysis FY04	01OCT03A	256*	30SEP04	1,283	3	99,806.20	Project Physics/Engr Analysis FY04				
840.203	Project Physics FY05**part of Res Prep Scope	01OCT04*	255*	30SEP05	1,028	3	0.00	Project Physics FY05**part of Res Prep Scope				
Job: 8402 - Project Physics MIE ORNL-LYON												
FY03 Actual Cost												
840.301	Apr-Sept MIE Cost ORNL	01APR03A	152*	30SEP03A		0	40,980.00					
840.302	Project Physics/Engr Analysis FY04	01OCT03A	256*	30SEP04	1,283	3	61,110.96	Project Physics/Engr Analysis FY04				
85 - Integrated Systems Testing												
920.001	Procedure and Document Preparation	01AUG06*	273	31AUG07	140	20	563,327.29	Procedure and Document Preparation				
920.000	Startup Personnel	29AUG07	72	11DEC07	116	30	654,359.58	Startup Personnel				
920.004	Begin Start-up Testing	05NOV07	0		106	30	0.00	Begin Start-up Testing				
920.005	Punch list,Cmplt PTP's,Reconfig, Rm temp Hi-pot	29AUG07	37	19OCT07	116	30	0.00	Punch list,Cmplt PTP's,Reconfig, Rm temp Hi-pot				
920.010	Field Coil Testsing,FCPC test & E-Beam Mapping	05NOV07	25	11DEC07	106	30	0.00	Field Coil Testsing,FCPC test & E-Beam Mapping				
920.020	Final ISTP	12DEC07	7	20DEC07	106	30	0.00	Final ISTP				
920.021	Operations Approval	21DEC07	3	02JAN08	106	30	0.00	Operations Approval				
730.9000	First Plasma		0	02JAN08	106	24	0.00	First Plasma				
M-0120	CD-4		0	30MAY08*	0		0.00	CD-4				
Allocations												
PPPL Allocations												
Job: 8998 - Allocations												
FY03 Actual Cost												
99.03	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		0	60,670.00					

Run Date 31AUG04 12:44





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NCSX CD-3 Baseline

Sheet 51 of 52

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	Risk %	Proposed CD-3 Plan	Year							
								FY04	FY05	FY06	FY07	FY08			
99.04	PPPL Allocations FY04	01OCT03A	256*	30SEP04	1,283	10	265,920.20	█							
99.05	PPPL Allocations FY05	01OCT04*	255*	30SEP05	1,028	10	214,990.60		█						
99.06	PPPL Allocations FY06	03OCT05*	254*	29SEP06	774	10	214,619.50			█					
99.07	PPPL Allocations FY07	02OCT06*	190*	29JUN07	519	10	170,232.95				█				
99.07X	PPPL Allocations FY07	02JUL07*	65*	28SEP07	519	10	56,885.00					█			
Contingency															
Contingency															
Contingency															
99.105	Contingency	04OCT04*	253*	29SEP05	1,029	0	1,421,906.25		█						
99.106	Contingency	03OCT05*	254*	29SEP06	774	0	3,000,366.50			█					
99.107	Contingency	02OCT06*	255*	28SEP07	519	0	4,900,000.00				█				
99.108	Contingency	01OCT07*	171*	30MAY08	348	0	3,003,530.00					█			

Run Date 31AUG04 12:44

 CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

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NCSX
CD-3 Baseline

Sheet 52 of 52