

Activity ID	Activity Name	Original Duration	Start	Finish	Predece...	Succe...	FY2008				FY2009	
							FQ1	FQ2	FQ3	FQ4	FQ1	FQ2
12 GEV CD-3 12 GeV UPGRD CD3 SCHEDULE												
12 GEV CD-3.0 Activities												
12 GEV CD-3.0.1 Level 1 and 2 Approved PEP Milestones												
5	PEP Issued	0.0	06-Nov-07*	31-Dec-08		6	◆ PEP Issued					
6	CD-2 Approval	0.0	06-Nov-07	30-Sep-08	5		◆ CD-2 Approval					
7	OEEM EVMS Contractor Certification Review Complete	0.0	06-Nov-07	30-Sep-08			◆ OEEM EVMS Contractor Certification Review Complete					
8	Safety Assessment Document Complete	0.0	06-Nov-07	30-Sep-08			◆ Safety Assessment Document Complete					
9	Accelerator Safety Envelope Complete	0.0	06-Nov-07	30-Sep-08			◆ Accelerator Safety Envelope Complete					
10	Design Review of SC Magnets (Report)	0.0	06-Nov-07	30-Sep-08	156		◆ Design Review of SC Magnets (Report)					
11	Design of Conventional Facilities Complete	0.0	06-Nov-07	30-Sep-08	145		◆ Design of Conventional Facilities Complete					
12 GEV CD-3.1 DOCUMENTS												
12 GEV CD-3.1.1 Final Design Review (subsystem reviews later under Reviews)												
20	JLab FY08 Design & Safety Review Reports submitted to DOE SC IPR Committee	0.0	01-Jul-08	01-Jul-08		179	◆ JLab FY08 Design & Safety Review Reports submitted to DOE SC IPR Committee					
21	JLab Drawing Packages submitted to DOE SC IPR Committee	0.0	01-Jul-08	01-Jul-08		179	◆ JLab Drawing Packages submitted to DOE SC IPR Committee					
12 GEV CD-3.1.2 Performance Baseline												
12 GEV CD-3.1.2.1 FY07-FY-15 Resource Loaded Schedule												
30	Updates to P3 Resource Loaded Schedule per approved Change Requests	42.6	01-Dec-07*	30-Jun-08		31	◆ Updates to P3 Resource Loaded Schedule per approved Change Requests					
31	DOE Prog Manager submission of RL Schedule to SC IPR Committee	0.0	01-Dec-07	01-Jul-08	30	179	◆ DOE Prog Manager submission of RL Schedule to SC IPR Committee					
12 GEV CD-3.1.2.2 Defined Critical Path												
40	Update Critical Path analysis	0.0	15-Jun-08	01-Jul-08		41	◆ Update Critical Path analysis					
41	DOE Prog Manager submission of Critical Path to SC IPR Committee	0.0	15-Jun-08	01-Jul-08	40	179	◆ DOE Prog Manager submission of Critical Path to SC IPR Committee					
12 GEV CD-3.1.2.3 Funding Profile												
50	Updated Funding Profile provided to JLab by DOE Program Manager	0.0	31-Mar-08	01-Jul-08		51	◆ Updated Funding Profile provided to JLab by DOE Program Manager					
51	DOE Prog Manager submission of Funding Profile to SC IPR Committee	0.0	31-Mar-08	01-Jul-08	50	179	◆ DOE Prog Manager submission of Funding Profile to SC IPR Committee					
12 GEV CD-3.1.3 Project Execution Plan												
60	Fed Proj Director (FPD) determination on need for PEP update	0.0	31-Mar-08	14-Sep-08		61	◆ Fed Proj Director (FPD) determination on need for PEP update					
61	JLab submission of updated PEP to FPD & Program Manager	0.0	31-Mar-08	14-Sep-08	60	62	◆ JLab submission of updated PEP to FPD & Program Manager					
62	FPD & DOE Program Manager review of updated PEP	3.0	01-May-08*	15-May-08	61	63	◆ FPD & DOE Program Manager review of updated PEP					
63	Comment resolution of updated PEP	3.0	16-May-08	30-May-08	62	64	◆ Comment resolution of updated PEP					
64	DOE Program Manager submission of updated PEP to SC IPR Committee	0.0	16-May-08	30-May-08	63	65, 179	◆ DOE Program Manager submission of updated PEP to SC IPR Committee					
65	FPD signature on updated PEP and final transmittal to DOE Program Manager	0.0	16-May-08	30-May-08	64	66	◆ FPD signature on updated PEP and final transmittal to DOE Program Manager					
66	DOE Program Manager submission of updated PEP to SC-1 CD-3 "ESAAB"	0.0	16-May-08	30-May-08	65		◆ DOE Program Manager submission of updated PEP to SC-1 CD-3 "ESAAB"					
12 GEV CD-3.1.4 Risk Assessment												
70	Semi-annual: Update risk assessment matrix, risk document forms, risk registries	3.4	15-Jan-08*	31-Jan-08		71	◆ Semi-annual: Update risk assessment matrix, risk document forms, risk registries					
71	Semi-annual: Update risk assessment matrix, risk document forms, risk registries	3.0	01-Jun-08*	15-Jun-08	70	72	◆ Semi-annual: Update risk assessment matrix, risk document forms, risk registries					
72	JLab submission of updated Risk Documents to FPD & DOE Program Manager	0.0	01-Jun-08	15-Jun-08	71	73	◆ JLab submission of updated Risk Documents to FPD & DOE Program Manager					
73	DOE Prog Manager submission of Risk Documents to SC IPR Committee	0.0	01-Jun-08	15-Jun-08	72	179	◆ DOE Prog Manager submission of Risk Documents to SC IPR Committee					
12 GEV CD-3.1.5 WBS and WBS Dictionary												
80	WBS and WBS Dictionary revision guidance issued to project team	0.0	31-Jan-08	15-Sep-08		81	◆ WBS and WBS Dictionary revision guidance issued to project team					
81	Updated WBS and WBS Dictionary draft #1 complete	0.0	31-Jan-08	15-Sep-08	80	82	◆ Updated WBS and WBS Dictionary draft #1 complete					
82	Updated WBS and WBS Dictionary APM Review complete	0.0	31-Jan-08	15-Sep-08	81	83	◆ Updated WBS and WBS Dictionary APM Review complete					
83	Updated WBS and WBS Dictionary PM&I Review complete	0.0	31-Jan-08	15-Sep-08	82	84	◆ Updated WBS and WBS Dictionary PM&I Review complete					
84	JLab submission of updated WBS/Dictionary to FPD & DOE Program Manager	0.0	31-Jan-08	15-Sep-08	83	85	◆ JLab submission of updated WBS/Dictionary to FPD & DOE Program Manager					
85	DOE Program Manager submission of WBS/Dictionary to SC IPR Committee	0.0	31-Jan-08	15-Sep-08	84	86, 179	◆ DOE Program Manager submission of WBS/Dictionary to SC IPR Committee					
86	Post IPR: Comment resolution of WBS/Dictionary	9.2	01-Aug-08*	15-Sep-08	85		◆ Post IPR: Comment resolution of WBS/Dictionary					

█ Actual Work
 ▶ Critical Remaining Work
█ Remaining Work
 ◆ Milestone

Activity ID	Activity Name	Original Duration	Start	Finish	Predece...	Succes...	FY2008				FY2009					
							FQ1	FQ2	FQ3	FQ4	FQ1	FQ2				
12 GEV CD-3.1.6 Draft "Check-Out, Testing and Commissioning Plan"																
90	Draft "Check-Out, Testing, and Commissioning Plan" outline developed	6.0	02-Jan-08*	15-Sep-08												
91	Draft "Check-Out, Testing, and Commissioning Plan" developed	18.0	01-Feb-08*	30-Apr-08	90	92										
92	FPD & DOE Program Manager comment period on "Check-Out, Testing, and Commissioning Plan"	6.2	01-May-08*	31-May-08	91	93										
93	Check-Out, Testing, and Commissioning Plan comment resolution period	5.8	01-Jun-08*	29-Jun-08	92	94										
94	FPD, DOE Program Manager and JLab concurrence on test plan.	0.0		30-Jun-08*	93	95										
95	DOE Prog Manager submission of "Check-Out, Testing, and Commissioning Plan" to SC IPR Com...	0.0		01-Jul-08*	94	96, 179										
96	Post-IPR Comment resolution #2 of "Check-Out, Testing, and Commissioning Plan"	9.2	01-Aug-08*	15-Sep-08	95											
12 GEV CD-3.1.7 "Construction Project Safety and Health Plan"																
100	Plan for development of "Construction Project Safety and Health Plan" complete	6.0	02-Jan-08*	31-Jan-08		101										
101	Draft #1 "Construction Project Safety and Health Plan" completed	12.0	01-Feb-08*	31-Mar-08	100	102										
102	FPD & DOE Program Manager review of Draft #1 "Construction Project Safety and Health Plan"	6.0	01-Apr-08*	30-Apr-08	101	103										
103	Comment resolution period on Draft #1 "Construction Project Safety and Health Plan"	6.2	01-May-08*	31-May-08	102	104										
104	Draft #2 "Construction Project Safety and Health Plan" completed	3.0	01-Jun-08*	15-Jun-08	103	105										
105	"Construction Project Safety and Health Plan" approved by TJSO Manager	3.0	16-Jun-08	30-Jun-08	104	106										
107	Post-IPR Comment resolution of "Construction Project Safety and Health Plan"	9.2	01-Aug-08*	15-Sep-08	106											
106	DOE Program Manager submission of "Construction Project Safety and Health Plan" to SC IPR Co...	0.0		01-Jul-08	105	107, 179										
12 GEV CD-3.1.8 Interface Control Documents(ICDs)																
110	Finalize list of needed ICDs	5.8	01-Feb-08*	29-Feb-08		111										
111	Draft ICDs complete	6.2	01-Mar-08*	31-Mar-08	110	112										
112	Project Office review of ICDs	6.0	01-Apr-08*	30-Apr-08	111	113										
113	JLab submission of ICDs to FPD & DOE Program Manager	0.0		01-May-08*	112	114										
114	ICD review by FPD & DOE Program Manager	6.0	02-May-08*	31-May-08	113	115										
115	ICD comment resolution period	3.0	01-Jun-08*	15-Jun-08	114	116										
116	DOE Program Manager submission of ICDs to SC IPR Committee	0.0		01-Jul-08*	115	117, 179										
117	Post-IPR Comment resolution of ICDs	9.2	01-Aug-08*	15-Sep-08	116											
12 GEV CD-3.1.9 FY08 R&D Deliverables																
120	Cryomodule: Thermal management studies	36.4	01-Feb-08*	31-Jul-08												
121	Beam Transport: quadrupole prototype studies	36.4	01-Feb-08*	31-Jul-08												
122	Hall B: Pre-shower calorimeter	127.8	01-Oct-06*	30-Jun-08												
123	Hall B: Beamline design optimization	134.0	01-Oct-06*	31-Jul-08												
124	Hall B: FDC - mechanical	146.2	01-Oct-06*	30-Sep-08												
125	Hall B: FDC - electrical	146.2	01-Oct-06*	30-Sep-08												
126	Hall C: SHMS HB magnet mechanical studies	115.6	01-Oct-06*	30-Apr-08												
127	Hall C: SHMS HB magnet test results	146.2	01-Oct-06*	30-Sep-08												
128	Hall D: Barrel calorimeter fiber tests	127.8	01-Oct-06*	30-Jun-08												
129	Hall D: Tagger prototype	127.8	01-Oct-06*	30-Jun-08												
130	Hall D: FADC prototype Master Trigger	140.2	01-Oct-06*	31-Aug-08												
131	Hall D: Auxiliary electronics prototypes	140.2	01-Oct-06*	31-Aug-08												
132	Hall D: FDC and CDC prototypes	146.2	01-Oct-06*	30-Sep-08												
12 GEV CD-3.1.10 Civil Subsystem Design and Safety Reviews																
140	JLab Hall D 100% Civil Design/Safety Review	6.2	01-Dec-08*	31-Dec-08												
141	JLab N&S Access Utility Upgrades 100% Design & Safety Review	6.2	01-Mar-08*	31-Mar-08												
142	JLab N&S Access Bldg Additions 100% Design & Safety Review	6.0	01-Apr-08*	30-Apr-08												
143	JLab N&S Linac Power Upgrades 100% Design & Safety Review	6.2	01-May-08*	31-May-08												
144	JLab BSY Addition 100% Design & Safety Review	6.0	01-Jun-08*	30-Jun-08												

█ Actual Work
 ▶ Critical Remaining Work
█ Remaining Work
 ◆ Milestone

Activity ID	Activity Name	Original Duration	Start	Finish	Predece...	Succes...	FY2008				FY2009		
							FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	
145	JLab Civil Tunnel A/C 100% Design & Safety Review	6.0	01-Jun-08*	30-Jun-08		11							
12 GEV CD-3.1.11 Physics Subsystem Design and Safety Reviews													
150	JLab Hall D Forward Drift Chambers Mini-Review (1/15)	6.0	02-Jan-08*	31-Jan-08		155							
151	JLab Hall C Detector Integration Review (1/22)	6.0	02-Jan-08*	31-Jan-08									
152	JLab Hall D PID/Calorimetry Systems	5.8	01-Feb-08*	29-Feb-08		157							
153	JLab Hall B SVT Detector	5.8	01-Feb-08*	29-Feb-08		158							
154	JLab Hall C Support Carriage / Shield House	6.2	01-Mar-08*	31-Mar-08									
155	JLab Hall D FDC & CDC Review	6.2	01-Mar-08*	31-Mar-08	150	157							
156	JLab SC Magnet Review	6.0	01-Apr-08*	30-Apr-08		10							
157	JLab Hall D Full System Review	6.2	01-May-08*	31-May-08	152, 155								
158	JLab Hall B Full System Review	6.2	01-May-08*	31-May-08	153								
159	JLab Hall D Tagger System	6.0	01-Sep-08*	30-Sep-08									
12 GEV CD-3.1.12 Accelerator Subsystem Design and Safety Reviews													
160	JLab Cryomodule Full System Review	1.0	24-Mar-08*	28-Mar-08									
161	JLab I&C/Safety Full System Review	1.0	21-Apr-08*	25-Apr-08									
162	JLab Power Full System Review	0.6	28-Apr-08*	30-Apr-08									
163	JLab Cryogenics Full System Review	1.0	12-May-08*	16-May-08									
164	JLab Beam Transport Full System Review	1.0	19-May-08*	23-May-08									
165	JLab Extraction Full System Review	1.0	19-May-08*	23-May-08									
12 GEV CD-3.2 CD-3 Requirements (DOE O 413.3a and DOE-NP)													
12 GEV CD-3.2.1 DOE IPR / ESAAB Reviews													
171	CD-2 ESAAB Meeting	0.0		09-Nov-07*									
170	OECM EIR - CAP resolution complete	0.0		31-Dec-07*									
179	Submit final pre-brief package to DOE SC OPA IPR 2008	0.0		02-Jul-08*	20, 21, 31, 41, 51, 64, 73, 85, 95, 106, 116, 172	180							
180	DOE SC Independent Project Review (IPR) 2008	3.4	21-Jul-08*	06-Aug-08	179	181							
181	12 GeV FPD prepares ESAAB CD-3 Package	6.0	07-Aug-08*	05-Sep-08	180	182							
182	12 GeV FPD submits ESAAB CD-3 Package to DOE 12 GeV PM	0.0		06-Sep-08*	181	183							
183	DOE Prog Manager CD-3 submission to SC-1 "ESAAB"	0.0		08-Sep-08*	174, 182	184							
184	SC-1 "ESAAB" CD-3 Review Meeting	0.0		30-Sep-08*	183	185							
185	CD-3 Approve Construction Start (SC-1 "ESAAB")	0.0		30-Sep-08*	184								
172	SC-IPR Previous Recommendations: Response complete	0.0		30-Jun-08*		179							
174	JSA EVMS Certification by OECM complete	0.0		31-Aug-08*		183							

█ Actual Work
 ▶ Critical Remaining Work
█ Remaining Work
 ◆ Milestone