



LSD Schedule Status

22 August 2013

D. Owens (Napier)

LSD Schedule Overview – End of July

LSD July 2013 Progress
% Complete based on Labor Hours

	Activity Name	Start Date	Finish Date	Physical % Complete	Float	Weeks Ahead/Behind	Ahead/Behind wrt Labor Hours	2012												2013											
								5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12				
1	Milestones	5/21/12	12/23/14	0%				[Gantt bar for Milestones]																							
2	Long ShutDown	5/21/12	9/18/13	68.79%		~2 1/2 months behind schedule	1800.89 weeks behind scheduled effort	[Gantt bar for Long ShutDown]																							
3	12GeV Acc HCO	9/13/13	10/24/13	0%				[Gantt bar for 12GeV Acc HCO]																							
4	12GeV Acc Commissioning	10/25/13	12/2/13	0%				[Gantt bar for 12GeV Acc Commissioning]																							
5	12GeV Beam To Hall A Start	2/10/14	2/10/14	0%				[Gantt bar for 12GeV Beam To Hall A Start]																							
6	12GeV Beam To Hall D Start	11/26/14	11/26/14	0%				[Gantt bar for 12GeV Beam To Hall D Start]																							
7	12GeV CD-4A	12/23/14	12/23/14	0%				[Gantt bar for 12GeV CD-4A]																							
8								[Gantt bar for empty row 8]																							
9	12 GeV Accelerator - Cryomodules	5/4/12	8/29/13	83.46%	9 days to end of down	~ 4 weeks behind schedule	22.18 weeks behind scheduled effort	[Gantt bar for 12 GeV Accelerator - Cryomodules]																							
10	12 GeV Accelerator - RF Systems	3/1/11	10/3/13	86.38%	-15 days to end of down	4 weeks behind schedule	25.65 weeks behind scheduled effort	[Gantt bar for 12 GeV Accelerator - RF Systems]																							
11	12 GeV Accelerator - Beam Transport	5/18/12	10/18/13	85.11%	-22 days of float - to final alignment/end of down	~ 8 weeks behind schedule	162.71 weeks behind scheduled effort	[Gantt bar for 12 GeV Accelerator - Beam Transport]																							
12	12 GeV Accelerator - I,C, & S	10/1/10	9/22/14	71.20%	5 days to end of down	~ 8 weeks behind schedule	125 weeks behind scheduled effort	[Gantt bar for 12 GeV Accelerator - I,C, & S]																							
13								[Gantt bar for empty row 13]																							
14	Accelerator Maintenance	5/18/12	12/3/13	46.29%	0 days to end of down (Relative Activities)	5 months behind schedule	939.6 weeks behind scheduled effort	[Gantt bar for Accelerator Maintenance]																							
15	Injector OL04 (R100)	5/24/12	11/5/13	42.93%	7 days to end of down (RF Zone Checkout)	~ 5 1/2 months behind schedule	50.83 weeks behind scheduled effort	[Gantt bar for Injector OL04 (R100)]																							
16	11GeV Separator	8/1/12	5/1/14	35.15%	11 days to may 2014 constraint	~ 3 months behind schedule	20.55 weeks behind scheduled effort	[Gantt bar for 11GeV Separator]																							
17	Recommissioning CM's & RF	1/14/13	9/25/13	64.03%	0 days to end of down	~ 6 weeks behind schedule	37.77 weeks behind scheduled effort	[Gantt bar for Recommissioning CM's & RF]																							
18								[Gantt bar for empty row 18]																							
19	Hall A - non-12GeV	5/18/12	12/9/13	92.01%	39 days to Hall A Beam Comm.	1 week ahead of schedule	2 weeks ahead of scheduled effort	[Gantt bar for Hall A - non-12GeV]																							
20	Hall A - 12 GeV	5/18/12	2/11/14	93.54%	73 Days to Beam to Hall A Start	6 weeks behind schedule	~ 7.0 weeks behind scheduled effort	[Gantt bar for Hall A - 12 GeV]																							

A. Freyberger Schedule

Systems on Critical Path

- 12GeV Beam Transport
- 12GeV RF
- 12GeV Cryomodules
- Re-Commissioning Existing RF & Cryomodules
- Cryogenics

Projected Total to September

- Adjustments to be made to the Schedule:
 - Accelerator Maintenance – work identified and to be deferred
 - 12GeV remaining work (see L. Harwood presentation)
 - Work (non-critical) that is not relative to end date of LSD
 - 18 Sept End Date of LSD & Proposed End Date (see A. Freyberger presentation)
 - Accelerator HCO & Run Periods (see A. Freyberger presentation)

Projected Total to September

