

**WBS 1.xx
STAR Electronics
Shutdown Workplan 2009**

ID	WBS	Task Name	Duration	Start	Finish	Cost	Tech Risk	Resource Names	April 2009												May 2009												June 2009											
									1	4	7	10	13	16	19	22	25	28	1	4	7	10	13	16	19	22	25	28	31	3	6	9	12	15	18	21	24							
1	1	STAR Electronics Shutdown '09	274 days?	Mon 4/6/09	Thu 4/22/10	\$0.00	0		[Gantt bar for STAR Electronics Shutdown '09]																																			
2	1.1	VME Crate Retro- Upgrade for test station	45 days	Mon 5/4/09	Fri 7/3/09	\$0.00	0		[Gantt bar for VME Crate Retro- Upgrade for test station]																																			
3	1.1.1	Secure 9u VME crates for subsystem test (6 ea.)	2 days	Mon 5/4/09	Tue 5/5/09	\$0.00	0	Asselta	[Task bar for 3]																																			
4	1.1.2	Secure 6u VME crates for subsystem test (2 ea.)	2 days	Mon 5/4/09	Tue 5/5/09	\$0.00	0	Diaz	[Task bar for 4]																																			
5	1.1.3	Secure MVME CPU for each test Crate (4 total)	2 days	Wed 5/6/09	Thu 5/7/09	\$0.00	0	Diaz	[Task bar for 5]																																			
6	1.1.4	Secure Radstone module & cables for Slow ctrls interface/readout (2 total)	2 days	Fri 5/8/09	Mon 5/11/09	\$0.00	0	Diaz	[Task bar for 6]																																			
7	1.1.5	Secure TCD, TCD Driver Module & cables for test station (2 ea.)	2 days	Tue 5/12/09	Wed 5/13/09	\$0.00	0	Diaz	[Task bar for 7]																																			
8	1.1.6	Secure DSM, DSMI Module & cables for test station (2 ea.)	2 days	Thu 5/14/09	Fri 5/15/09	\$0.00	0	Diaz	[Task bar for 8]																																			
9	1.1.7	VPN Cabe Install to new test station	1 day	Mon 6/1/09	Mon 6/1/09	\$0.00	0	ITD	[Task bar for 9]																																			
10	1.1.8	Flat-Cat5 cable install to serial comm server	1 day	Mon 6/1/09	Mon 6/1/09	\$0.00	0	ITD	[Task bar for 10]																																			
11	1.1.9	Install & config Exceed X-Term on workstation	3 days	Mon 6/22/09	Wed 6/24/09	\$0.00	0	Engelage,Padrazo	[Task bar for 11]																																			
12	1.1.10	Config MVME processors for test setup	2 days	Thu 6/25/09	Fri 6/26/09	\$0.00	0	Engelage	[Task bar for 12]																																			
13	1.1.11	Procure P3 backplane assembly for crate mods	2 days	Mon 5/4/09	Tue 5/5/09	\$0.00	0	Asselta	[Task bar for 13]																																			
14	1.1.12	Receive P3 backplane assembly for crate mods	10 days	Wed 5/6/09	Tue 5/19/09	\$0.00	0	Asselta	[Task bar for 14]																																			
15	1.1.13	DWG Detail for side panel cutout to all 9u test crates	3 days	Mon 6/1/09	Wed 6/3/09	\$0.00	0	Diaz	[Task bar for 15]																																			
16	1.1.14	Remove side panel assembly forcut out modification (6 ea.)	2 days	Thu 6/4/09	Fri 6/5/09	\$0.00	0	Diaz	[Task bar for 16]																																			
17	1.1.15	Submit Side panel assembly to shop for machine cutout (6 ea.)	2 days	Mon 6/8/09	Tue 6/9/09	\$0.00	0	Diaz	[Task bar for 17]																																			
18	1.1.16	Receive Side Panel assembly from shop with cutout	10 days	Wed 6/10/09	Tue 6/23/09	\$0.00	0	Diaz	[Task bar for 18]																																			
19	1.1.17	Reinstall side panel assembly to crate (6 ea.)	2 days	Wed 6/24/09	Thu 6/25/09	\$0.00	0	Diaz	[Task bar for 19]																																			
20	1.1.18	Backplane mod & install for 9u VME QT Configuration (2 ea.)	2 days	Fri 6/26/09	Mon 6/29/09	\$0.00	0	Diaz	[Task bar for 20]																																			
21	1.1.19	Backplane mod & install for 9u VME TRIG Configuration (2 ea.)	2 days	Tue 6/30/09	Wed 7/1/09	\$0.00	0	Diaz	[Task bar for 21]																																			
22	1.1.20	Backplane mod & install for 9u VME TCD Configuration (2 ea.)	2 days	Thu 7/2/09	Fri 7/3/09	\$0.00	0	Diaz	[Task bar for 22]																																			
23	1.1.21	VME Crate Retro-Upggrade Complete	0 days	Fri 7/3/09	Fri 7/3/09	\$0.00	0		[Task bar for 23]																																			
24	1.2	AC Distribution & Panduit race way for test racks	18 days	Mon 6/1/09	Wed 6/24/09	\$0.00	0		[Gantt bar for AC Distribution & Panduit race way for test racks]																																			
25	1.2.1	Dwg Detail for raceway & P-2 assembly	2 days	Mon 6/1/09	Tue 6/2/09	\$0.00	0	Asselta	[Task bar for 25]																																			
26	1.2.2	Produce BOM for raceway assembly	2 days	Wed 6/3/09	Thu 6/4/09	\$0.00	0	Asselta	[Task bar for 26]																																			
27	1.2.3	Procure BOM items for raceway assembly	2 days	Fri 6/5/09	Mon 6/8/09	\$0.00	0	Asselta	[Task bar for 27]																																			
28	1.2.4	Receive BOM items	4 days	Tue 6/9/09	Fri 6/12/09	\$0.00	0	Asselta	[Task bar for 28]																																			
29	1.2.5	Configure Raceway assembly	5 days	Mon 6/15/09	Fri 6/19/09	\$0.00	0	Asselta	[Task bar for 29]																																			
30	1.2.6	Install raceway assembly on racks	3 days	Mon 6/22/09	Wed 6/24/09	\$0.00	0	Asselta	[Task bar for 30]																																			
31	1.2.7	Raceway assembly complete	0 days	Wed 6/24/09	Wed 6/24/09	\$0.00	0		[Task bar for 31]																																			
32	1.3	Electronics Rack Assembly (ERA)	50 days	Mon 5/4/09	Fri 7/10/09	\$0.00	0		[Gantt bar for Electronics Rack Assembly (ERA)]																																			
33	1.3.1	Procure Rack for test station (2 racks)	2 days	Mon 5/4/09	Tue 5/5/09	\$0.00	0	Asselta	[Task bar for 33]																																			
34	1.3.2	Receive Rack Assemblies (2 ea.)	2 days	Wed 5/6/09	Thu 5/7/09	\$0.00	0	Asselta,Diaz	[Task bar for 34]																																			
35	1.3.3	Assemble/Configure racks in lab space	5 days	Fri 5/8/09	Thu 5/14/09	\$0.00	0	Diaz	[Task bar for 35]																																			
36	1.3.4	Install AC distribution in Racks	3 days	Thu 6/25/09	Mon 6/29/09	\$0.00	0	Asselta	[Task bar for 36]																																			
37	1.3.5	System test for AC distribution	2 days	Tue 6/30/09	Wed 7/1/09	\$0.00	0	Asselta,Diaz	[Task bar for 37]																																			
38	1.3.6	Populate racks with VME crate assemblies	3 days	Mon 7/6/09	Wed 7/8/09	\$0.00	0	Diaz	[Task bar for 38]																																			
39	1.3.7	Final test & acceptance for ERA	2 days	Thu 7/9/09	Fri 7/10/09	\$0.00	0	Diaz	[Task bar for 39]																																			
40	1.3.8	ERA Complete	0 days	Fri 7/10/09	Fri 7/10/09	\$0.00	0		[Task bar for 40]																																			
41	1.4	BEMC	152 days	Mon 4/6/09	Tue 11/3/09	\$0.00	0		[Gantt bar for BEMC]																																			
42	1.4.1	SMD Crate modification Fuse upgrade for VSS Proposal	6 days	Mon 7/20/09	Mon 7/27/09	\$0.00	0		[Gantt bar for SMD Crate modification Fuse upgrade for VSS Proposal]																																			
43	1.4.1.1	Dwg Detail for 3.5A Fuse Mod to VSS	1 day	Mon 7/20/09	Mon 7/20/09	\$0.00	0	Padrazo	[Task bar for 43]																																			
44	1.4.1.2	Justification Spec for Safety Review to 3.5A VSS mod	1 day	Tue 7/21/09	Tue 7/21/09	\$0.00	0	Padrazo	[Task bar for 44]																																			
45	1.4.1.3	Safety Review Approval to 3.5A VSS mod	4 days	Wed 7/22/09	Mon 7/27/09	\$0.00	0	Makdesi	[Task bar for 45]																																			
46	1.4.1.4	Procure 3.5A polyfuse for production install	2 days	Mon 7/20/09	Tue 7/21/09	\$0.00	0	Asselta	[Task bar for 46]																																			
47	1.4.1.5	Receive 3.5A polyfuse	4 days	Wed 7/22/09	Mon 7/27/09	\$0.00	0	Asselta	[Task bar for 47]																																			
48	1.4.1.6	Fuse upgrade for VSS proposal complete	0 days	Mon 7/27/09	Mon 7/27/09	\$0.00	0		[Task bar for 48]																																			
49	1.4.2	SMD Crate Retro-Fuse Upgrade West	26 days	Mon 7/27/09	Mon 8/31/09	\$0.00	0		[Gantt bar for SMD Crate Retro-Fuse Upgrade West]																																			
50	1.4.2.1	Remove West SMD Crates 1-4	3 days	Mon 7/27/09	Wed 7/29/09	\$0.00	0	Hammond,Diaz,Soja	[Task bar for 50]																																			
51	1.4.2.2	Remove West PSD Crates 1-2	2 days	Thu 7/30/09	Fri 7/31/09	\$0.00	0	Hammond,Diaz,Soja	[Task bar for 51]																																			
52	1.4.2.3	Pre-Test & Diagnostics SMD-W (Crate 1-4)	3 days	Thu 7/30/09	Mon 8/3/09	\$0.00	0	Kuczewski[25%],Hammond	[Task bar for 52]																																			
53	1.4.2.4	Pre-Test & Diagnostics PSD-W (Crate 1-2)	2 days	Tue 8/4/09	Wed 8/5/09	\$0.00	0	Kuczewski[25%],Hammond	[Task bar for 53]																																			
54	1.4.2.5	SMD/PSD-W Crate Repair (Crate 1-6) above	3 days	Thu 8/6/09	Mon 8/10/09	\$0.00	0	Kuczewski[25%],Hammond	[Task bar for 54]																																			
55	1.4.2.6	Modify Crate S-W top for remote pwr coniguration	5 days	Tue 8/11/09	Mon 8/17/09	\$0.00	0	Kuczewski[25%],Hammond	[Task bar for 55]																																			
56	1.4.2.7	Perform 3.5A Fuse Modification for SMD/PSD Crates (Crate 1-6)	5 days	Tue 8/18/09	Mon 8/24/09	\$0.00	0	Kuczewski[25%],Hammond	[Task bar for 56]																																			
57	1.4.2.8	System test S-W top crate w/remote power supply	2 days	Tue 8/25/09	Wed 8/26/09	\$0.00	0	Kuczewski[25%],Hammond	[Task bar for 57]																																			
58	1.4.2.9	Acceptance test for SMD/PSD Crates (Crate 1-6)	3 days	Thu 8/27/09	Mon 8/31/09	\$0.00	0	Kuczewski[25%],Hammond	[Task bar for 58]																																			
59	1.4.2.10	SMD Crate mod fuse upgrade West Complete	0 days	Mon 8/31/09	Mon 8/31/09	\$0.00	0		[Task bar for 59]																																			
60	1.4.3	SMD/PSD Crate Retro-Fuse Upgrade East	28 days	Mon 7/27/09	Wed 9/2/09	\$0.00	0		[Gantt bar for SMD/PSD Crate Retro-Fuse Upgrade East]																																			
61	1.4.3.1	Remove East SMD Crates 1-4	3 days	Mon 7/27/09	Wed 7/29/09	\$0.00	0	Hammond,Soja,Diaz	[Task bar for 61]																																			
62	1.4.3.2	Remove East PSD Crates 1-2	2 days	Thu 7/30/09	Fri 7/31/09	\$0.00	0	Hammond,Soja,Diaz	[Task bar for 62]																																			
63	1.4.3.3	Pre-Test & Diagnostics SMD-E (Crate 1-4)	3 days	Mon 8/3/09	Wed 8/5/09	\$0.00	0	Kuczewski[25%],Hammond	[Task bar for 63]																																			
64	1.4.3.4	Pre-Test & Diagnostics PSD-E (Crate 1-2)	2 days	Thu 8/6/09	Fri 8/7/09	\$0.00	0	Kuczewski[25%],Hammond	[Task bar for 64]																																			
65	1.4.3.5	SMD/PSD-E Crate Repair (Crate 1-6) above	3 days	Mon 8/10/09	Wed 8/12/09	\$0.00	0	Kuczewski[25%],Hammond	[Task bar for 65]																																			
66	1.4.3.6	Modify Crate S-W top for remote pwr coniguration	5 days	Thu 8/13/09	Wed 8/19/09	\$0.00	0	Kuczewski[25%],Hammond	[Task bar for 66]																																			
67	1.4.3.7	Perform 3.5A Fuse Modification for SMD/PSD-E Crates (Crate 1-6)	5 days	Thu 8/20/09	Wed 8/26/09	\$0.00	0	Kuczewski[25%],Hammond	[Task bar for 67]																																			
68	1.4.3.8	System test S-W top crate w/remote power supply	2 days	Thu 8/27/09	Fri 8/28/09	\$0.00	0	Kuczewski[25%],Hammond	[Task bar for 68]																																			
69	1.4.3.9	Acceptance test for SMD/PSD-E Crates (Crate 1-6)	3 days	Mon 8/31/09	Wed 9/2/09	\$0.00	0	Kuczewski[25%],Hammond	[Task bar for 69]																																			
70	1.4.3.10	SMD Crate mod fuse upgrade East Complete	0 days	Wed 9/2/09	Wed 9/2/09	\$0.00	0		[Task bar for 70]																																			
71	1.4.4	SMD FOB Design	126 days	Mon 4/6/09	Mon 9/28/09	\$0.00	0		[Gantt bar for SMD FOB Design]																																			
72	1.4.4.1	Conceptual Design/Block Diagram	21 days	Mon 4/6/09	Mon 5/4/09	\$0.00	0	Visser	[Task bar for 72]																																			

