MOOS mooring system 7/10/02 meeting notes

Present: Jon E., Lance, Ed, Mike R., Mike K., Mark C. (notes)

1. Schedule. *Critical that all materials and parts are ordered so that final mechanical fabrication can begin in the first week of September as scheduled.*

2. Current task status.

ID	Task Name	Duration	Start	Finish	Resource Names	% Complete
3	power system prelim. design & diagram *Ed estimates will be ready for CDR the week of June 15.*	8.33 days	Tue 2/12/02	Wed 6/26/02	Mellinger Ed[60%]	80%
4	power system housing specification/design *Update on Craig Okuda design? Looks good to use the same housing print set with length modification. Final bulkhead design pending CDR for controller and power housing wiring.*	5 days	Thu 4/25/02	Fri 6/28/02	Mellinger Ed[60%]	70%
11	fabricate and wire battery housing *Battery housings in manufacture. Bases welded up, leaks being patched, then to heat treat. Lids have not been started.*	8.33 days	Mon 7/1/02	Thu 7/11/02	Mellinger Ed[60%],Erickson Jon[60%]	25%
14	design panel mounts and tower access *Details of panel mounts in progress. Jon investigating availability of 'Z' Al channel for mounting, otherwise will bend custom AL section.*	5 days	Fri 2/22/02	Wed 6/26/02	Mellinger Ed[60%],Erickson Jon[60%]	75%
33	temporary controller requirements specified	8.33 days	Mon 2/11/02	Tue 6/25/02	McBride Lance[60%]	95%

	Hardware specification complete with the exception of possible review of adding camera enable and power switching.					
35	wave/acceleration instrument on order *Received, Rich working on driver.*	36 days	Wed 6/5/02	Wed 7/24/02		42%
41	controller wiring design complete *CDR planned for week of July 15 concurrently with power housing wiring.*	8.33 days	Mon 4/29/02	Tue 7/2/02	McBride Lance[60%]	70%
42	controller housing and chassis specification/design *Chassis final design after wiring CDR. Will have to be modified for MOOS connector clearance.*	6 days	Tue 3/26/02	Thu 6/27/02	Chaffey Mark[10%],McBride Lance[60%]	55%
43	temporary controller on order/fab *All hardware in-house. CERF board adapters being checked out.*	20 days	Tue 5/21/02	Mon 6/17/02		85%
44	fiber test card design. *Decision to go with COTS components. Exact interface pending meeting on Friday.*	20 days	Thu 6/20/02	Wed 7/17/02	Scott Jensen[20%]	20%
47	RF transceivers housing design and fab. *No progress.*	25 days	Thu 6/27/02	Thu 8/1/02	Erickson Jon[10%],McBride Lance[10%]	0%
48	compass driver software. *No progress.*	5 days	Tue 6/25/02	Mon 7/1/02	SE[50%]	0%
49	heave sensor software driver. *Several days of effort so far. Further work pending NMC interface description.*	15 days	Tue 6/25/02	Mon 7/15/02	Rich Henthorn	0%
50	Globalstar modem software driver *No progress on driver - Tim Meese working on NMC. No results yet on preliminary*	15 days	Tue 6/25/02	Mon 7/15/02	Tim Meese[50%]	0%

	pitch/roll testing. VPN needed for full up modem testing not installed yet.					
51	Z-Star sampling software driver. *SmartStar resident code nearly complete. Samples at predetermined rate and delivers min., max., and average values when polled by NMC that are accrued since last request. NMC driver pending NMC interface description.*	15 days	Tue 6/25/02	Mon 7/15/02	Mike Risi	0%
56	riser cable termination socket design *No progress*	8.33 days	Fri 4/19/02	Wed 7/3/02	Chaffey Mark[60%],Erickson Jon[60%]	20%
59	specify riser cable floats. *No progress*	4 days	Tue 6/25/02	Fri 6/28/02	Chaffey Mark	0%
68	snubber hose fabrication. *In progress, delivery quoted as October 17.*	40 days	Tue 6/25/02	Mon 8/19/02		0%
69	bridle/snubber/anchor strain gage on order *Prints reviewed by Jon E., and Mark C. In manufacture.*	30 days	Wed 6/12/02	Tue 7/23/02	Erickson Jon[60%]	33%
70	coilcord core cable fabrication *Test run completed and coiled but has high optical attenuation. One problem identified is in manufacturing causing bunching of the copper and optical elements during rubber jacket extrusion. Second test run is underway using different binding wrap tape.*	35 days	Mon 4/1/02	Fri 6/28/02		90%
71	coilcord fabrication *Test run completed but has problems (see above). Also some issues with the final shape and possible damage that occurs during the coilcord respooling process. Second run of test sections*	35 days	Fri 5/24/02	Mon 8/5/02		25%

	underway.					
73	bending strain relief specified *No progress*	3 days	Tue 6/25/02	Thu 6/27/02	Erickson Jon[60%]	0%
80	bridle final design *Design critical review held right after meeting. Design review issues:* • *Can more than 2" clearance be provided at base by support stand?* • *Much discussion of stress risers at top weldments but deemed not an issue.* *Mooring top and bottom plates went in shop two weeks ago.*	5 days	Tue 3/26/02	Wed 6/26/02	Erickson Jon[60%]	75%
87	anchor system preliminary design *No progress*	8.33 days	Tue 6/25/02	Fri 7/5/02	Erickson Jon[60%],Chaffey Mark[60%]	0%
94	Design and Fab. of stand-up support *Design details still being worked out between John F. and Jon E.*	20 days	Wed 6/26/02	Tue 7/23/02	Erickson Jon	0%