MOOS mooring system 8/7/02 meeting notes

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

1. Update from project scientist. *In preparation for 2003 proposals John is working on the instrument list for the MSE2003/2004 experiment MOOS deployment. Specific instruments will be carried in the science proposal. All support infrastructure will be covered in the MOOS engineering proposal. John working on power requirements for the overall instrument suite.*

2. 2003 proposal update. *Mark working on refining work breakdown structure for 2003 work leading up to 2004 deployment of science mooring.*

3. Schedule update. *Schedule is looking very tight for Dec. 3 deployment. Power system distribution and monitoring board is critical path. Coilcord manufacture and fabrication is also approaching critical because of delays caused by manufacturing and material selection problems.*

3. Budget update. *The project is just staying within budget. Only purchases that are previously budgeted or absolutely critical can be approved.*

4. Current task status.

ID	Task Name	Duration	Start	Finish	Resource Names	% Complete
4	power system wiring detailed design *In progress.*	16.67 days	Wed 6/26/02	Fri 8/9/02	Mellinger Ed[60%]	80%
5	power system distribution board schematic *Concept review planned for next week.*	16.67 days	Fri 8/9/02	Mon 9/2/02	Mellinger Ed[60%]	0%
6	power system connectors on order *Pending cable length determination.*	14.29 days	Fri 8/9/02	Thu 8/29/02	Mellinger Ed[7%]	0%
7	power system housing specification/design *Bulkhead near completion, housing length*	5 days	Thu 4/25/02	Wed 8/7/02	Mellinger Ed[60%]	75%

	waiting on distribution board review.					
13	fabricate and wire battery housing *Lids plated. Enclosures be reworked before plating.*	8.33 days	Mon 7/1/02	Mon 8/12/02	Mellinger Ed[60%],Erickson Jon[60%]	70%
16	design panel mounts and tower access *In progress.*	5 days	Fri 2/22/02	Wed 8/7/02	Mellinger Ed[60%],Erickson Jon[60%]	80%
28	Power system CDR *Pending distribution board design.*	0 days	Fri 8/9/02	Fri 8/9/02		0%
41	controller housing and chassis specification/design *All work completed for "tier 1" design (1 GB flash max. storage). "Tier 2" design (compact HD) has problems with connector configuration and PS.*	6 days	Tue 3/26/02	Wed 8/7/02	Chaffey Mark[10%],McBride Lance[60%]	90%
42	temporary controller on order/fab *All controller parts for tier 1 design should be in-house and/or completed except fiber card and power distribution board.*	20 days	Tue 5/21/02	Mon 6/17/02		95%
43	fiber test card design *No update.*	20 days	Thu 6/20/02	Tue 8/13/02	Scott Jensen[20%]	75%
45	controller housing fabrication *End plate in fab. Housing waiting for final length determination.*	20 days	Wed 8/7/02	Wed 9/4/02		0%
46	RF transceivers housing design and fab. *Decision made to use COTS housings for test mooring until "generic" MBARI design perfected.*	15 days	Wed 8/7/02	Tue 8/27/02	Erickson Jon[10%],McBride Lance[10%]	0%
47	compass driver software complete *On hold until after NMC deployment August 14.*	5 days	Wed 8/7/02	Tue 8/13/02	SE[50%]	0%

48	heave sensor software driver *On hold until after NMC deployment August 14.*	15 days	Fri 7/26/02	Fri 8/16/02	Rich Henthorn	50%
49	Globalstar modem software driver *On hold until after NMC deployment August 14.*	15 days	Wed 8/7/02	Tue 8/27/02	Tim Meese[50%]	0%
50	Z-Star sampling software driver *On hold until after NMC deployment August 14. Lance has been experimenting with pitch and roll response of the Globalstar modem. Some impact on signal strength but should not be a problem. Concern about loss of signal strength due to fog. Also appears to be a 512 byte limit currently on data transfers through Globalstar server, needs to be resolved.*	15 days	Tue 6/25/02	Mon 8/12/02	Mike Risi	75%
55	riser cable termination socket design *No progress.*	8.33 days	Fri 4/19/02	Thu 8/15/02	Chaffey Mark[60%],Erickson Jon[60%]	20%
58	specify riser cable floats *Specification complete - put out for bid.*	4 days	Tue 6/25/02	Wed 8/7/02	Chaffey Mark	90%
67	snubber hose fabrication *in progress.*	40 days	Tue 6/25/02	Mon 8/19/02		80%
69	coilcord core cable fabrication *Second round of test cable fabrication with new optical fiber underway. Schedule is getting tight for delivery of final article. Important that this test is successful and turn around time to final cable build is short.*	35 days	Mon 4/1/02	Mon 8/12/02		90%
70	coilcord fabrication *See above.*	35 days	Fri 5/24/02	Tue 9/17/02		25%
71	snubber electo-optical connectors delivery	90 days	Tue 4/2/02	Mon 8/5/02		68%

	time *SeaCon promises connectors two weeks after receiving CF cable. Lance question: can he get the optical bulkhead connector early for controller housing build. Mark will investigate.*					
72	bending strain relief specified *Jon has preliminary quote from one vendor, waiting to hear from second vendor, PMI.*	3 days	Tue 6/25/02	Wed 8/7/02	Erickson Jon[60%]	75%
81	tower fabrication *In progress.*	35 days	Tue 6/25/02	Mon 8/12/02		91%
82	bridle fabrication *In progress.*	35 days	Wed 6/26/02	Mon 8/19/02		75%
84	float order and lead time *Shipped 8/8/02*	41 days	Wed 6/12/02	Wed 8/21/02		75%
86	anchor system preliminary design *No progress.*	8.33 days	Wed 8/7/02	Mon 8/19/02	Erickson Jon[60%],Chaffey Mark[60%]	0%
93	Design and Fab. of stand-up support *No progress.*	20 days	Wed 6/26/02	Tue 7/23/02	Erickson Jon	0%