

MOOS mooring 8/28/02 meeting notes

Present: Jon E., Andrew, Ed., Lance, Duane T., Duane E., Tom., Keith., Tim, Mark C. (notes)

1. Schedule update.

Software drivers scheduled for Sept. 9 completion, then start of lab testing and integration period. One MOOs mooring test set-up available, this will be left intact and deployed hardware built up separately. NMC project has two other test test-ups available.

2. Special action items:

- Optical connector expedite - Mark C. *Brantner will send one unit of MSSP-4FO/8#16-BCR, estimate two week delivery from today.*
- IS group AR request for local VPN for Globalstar/"operational software host". - Tim M. *In progress.*
- Programming guide/software specification progress. - Lance *In progress, promised for one week but we need to move faster because of the pace of driver writing.*
- Anchor weight calculations. - Andrew H. *Calculations on weight needed to hold - but not submerge- mooring proceeding.*

3. Current task status:

- Driver scrub issues. *Kent's class a success, driver writing charging ahead. Need to resolve issue of is power management needed. Plan of record says no. Last estimate was for 15W continuous power used vs. 20 W available. Ed to update power budget to verify adequate power margin.*

ID	Task Name	Duration	Start	Finish	Resource Names	% Complete
8	fabricate and wire battery housing <i>Housings complete. Still need connectors and schematic (due in two weeks). Small humidity sensor board needs to be fabricated.</i>	8.33 days	Mon 7/1/02	Thu 8/22/02	Mellinger Ed[60%], Erickson Jon[60%]	70%

11	design panel mounts and tower access <i>Backing material specified. 'Z' channel pieces due Friday (8/30). Prints will be ready after power PDR 8/30. Need to get backing material on order ASAP.</i>	5 days	Fri 2/22/02	Tue 8/20/02	Mellinger Ed[60%],Erickson Jon[60%]	85%
16	solar panel mount fabrication <i>as soon as PDR complete and drawings are in the shop.</i>	13 days	Tue 8/20/02	Fri 9/6/02	shop[50%]	0%
24	power system distribution board concept design <i>PDR scheduled for Friday, 8/30.</i>	1 day	Fri 8/9/02	Wed 8/21/02		80%
26	power system connectors on order <i>Done.</i>	14.29 days	Wed 8/21/02	Tue 9/10/02	Mellinger Ed[7%]	0%
27	power system housing specification/design <i>After PDR (above) mechanical configuration defined. Ed and Duane T. to work on build-to-fit layout and housing length specification.</i>	5 days	Thu 4/25/02	Thu 8/22/02	Mellinger Ed[60%]	75%
42	controller housing and chassis specification/design <i>Lance and Duane E. working on build-to-fit design. Length fixed.</i>	6 days	Tue 3/26/02	Tue 8/20/02	Chaffey Mark[10%],McBride Lance[60%]	90%
44	fiber test card design <i>Basic design complete.</i>	20 days	Thu 6/20/02	Mon 8/26/02	Scott Jensen[20%]	75%
45	fiber test card fabrication and test <i>Parts all in, Duane T. working on layout and assembly.</i>	15 days	Tue 8/27/02	Mon 9/16/02	Scott Jensen[20%],Duane Thompson[40%]	0%
46	controller housing and chassis fabrication <i>Chassis in shop. Housing will go in at the same time as the power housing.</i>	20 days	Tue 8/20/02	Tue 9/17/02		15%

48	compass software driver <i>In progress.</i>	10 days	Tue 8/20/02	Mon 9/2/02	Tom O'Reilly[50%]	0%
49	heave sensor software driver <i>In progress.</i>	15 days	Fri 7/26/02	Thu 8/29/02	Rich Henthorn	50%
50	GPS software driver <i>Need GPS antenna set up in the software lab. Duane T., and Lance will spec. GPS repeater and recommend to Duane E. for purchase.</i>	10 days	Tue 8/20/02	Mon 9/2/02	Kent Headley[50%]	0%
51	Globalstar modem software driver <i>In progress.</i>	15 days	Tue 8/20/02	Mon 9/9/02	Tim Meese[50%]	0%
52	Z-Star sampling software driver <i>In progress.</i>	15 days	Tue 6/25/02	Fri 8/23/02	Mike Risi	75%
53	SSDS instrument metadata plan <i>John G., has forwarded template to Tom. Plan is to attempt to include metadata packet with compass data return if feasible.</i>	3 days	Tue 8/20/02	Thu 8/22/02	John Graybeal[20%]	0%
58	riser cable termination socket design <i>Pursuing design ideas with experts from Fujikara and SeaCon. Design is potentially more complex than planned. High priority for Mark C., especially since verification pressure testing may be required.</i>	8.33 days	Fri 4/19/02	Wed 8/28/02	Chaffey Mark[60%], Erickson Jon[60%]	20%
62	riser cable floats on order <i>Done.</i>	35 days	Tue 8/20/02	Mon 10/7/02		0%
70	snubber hose fabrication <i>Past due at MBARI, will check progress.</i>	40 days	Tue 6/25/02	Mon 8/19/02		80%
71	snubber union/instrument cage assembly design <i>In progress.</i>	4 days	Tue 6/11/02	Thu 8/22/02	Erickson Jon[15%]	25%
74	coilcord core cable fabrication <i>Cable for test run #2 completed today and FedExed to</i>	35 days	Mon 4/1/02	Fri 8/23/02		90%

Whitney-Blake.

75	coilcord fabrication <i>Whitney-Blake scheduled test #2 coilcord manufacture for Wed., Sept. 4.</i>	35 days	Fri 8/23/02	Fri 10/11/02		0%
86	tower fabrication <i>Overdue from vendor, expected Sept. 3.</i>	35 days	Tue 6/25/02	Wed 8/21/02		95%
87	bridle fabrication <i>Scheduled completion September 3.</i>	35 days	Wed 6/26/02	Wed 8/28/02		80%
89	float order and lead time <i>Ordered. Due Oct. 1.</i>	41 days	Wed 6/12/02	Thu 8/22/02		95%
91	anchor system preliminary design <i>No progress.</i>	8.33 days	Tue 8/20/02	Fri 8/30/02	Erickson Jon[60%], Chaffey Mark[60%]	0%
98	Design and model test mooring configuration <i>Anchor weight calculations underway, when anchor weight determined Mark Grosenbaugh will do configuration and deployment model run.</i>	50 days	Tue 8/20/02	Mon 10/28/02	Chaffey Mark[20%]	0%
99	Design and Fab. of stand-up support <i>Duplicating existing stands with some modifications. John Ferreira working directly with Mike Kelly.</i>	20 days	Tue 8/20/02	Mon 9/16/02	Erickson Jon	0%