

MOOS mooring 5/15/02 meeting notes

14 weeks to deployment

Present: Ed M., Francisco, George B., Keith, Lance, Duane E., Tom O., Mike K., Tim Meese, Mark C. (notes)

Action items from meeting:

- *Send out MOOS Mooring alias descriptions - Mark C.*
- *CDR on Tower - Jon E.*
- *PDR on Controller - Lance.*
- *Strain gage specification. - Mark C.*
- *Snubber hose flange material. - Mark C.*

1. Update from project scientist. *John working with small focus groups on specific study topics such as seep communities. Working on defining MOOS 2003/2004 science experiment in time to write proposal abstracts.*

2. Project schedule. *Several key elements are very tightly scheduled for August deployment such as optical connectors, riser cable (late July). Controller and software development also becoming critical path.*

3. Current task status:

ID	Task Name	Duration	Start	Finish	Resource Names	% Complete
3	power system prelim. Design & diagram. <i>In progress. Updating test mooring power budget.</i>	8.33 days	Tue 2/12/02	Thu 4/25/02	Mellinger Ed[60%]	70%
4	power system housing specification/design <i>Ed has drawings for Craig Okuda's aluminum housing design. Looks good but will have to lengthen.</i>	5 days	Thu 4/25/02	Thu 5/2/02	Mellinger Ed[60%]	0%

14	design panel mounts and tower access <i>Jon is finalizing the design. Mark C. met with Mike and Paul and revised the handle placement to two panels. Mike set elevator height requirements for access. Next step CDR.</i>	5 days	Fri 2/22/02	Mon 3/11/02	Mellinger Ed[60%],Erickson Jon[60%]	60%
17	select solar charge controller/PPT <i>In progress.</i>	10 days	Tue 3/19/02	Fri 5/3/02	Mellinger Ed[60%]	10%
32	temporary controller requirements specified <i>Meeting held on A/D subsystem and decision reached to use COTS SR9000 Smart Star A/D I/O system for test mooring. Plan is to freeze I/O list and processing requirements at hardware PDR. Software needs final hardware for integration and testing June 17 to meet schedule.</i>	8.33 days	Mon 2/11/02	Tue 3/26/02	McBride Lance[60%]	95%
34	wave/acceleration instrument on order. <i>All requirements issues resolved. Need to order with on-board data logger for additional \$3500. Needs to get on order ASAP.</i>	35 days	Tue 4/23/02	Mon 6/10/02		0%
39	RF communications specified <i>"Freewave" modem or Globalstar satcom selected for test deployment. Decision based on driver availability, hardware maturity, cost and reliability. Monitoring current Freewave test on M2.</i>	8.33 days	Tue 3/26/02	Mon 4/29/02	McBride Lance[60%]	50%
41	controller housing and chassis specification/design <i>Pending final systems wiring layout. Craig Okuda has design for AL version of OASIS controller housing that</i>	6 days	Tue 3/26/02	Thu 4/25/02	Chaffey Mark[10%],McBride Lance[60%]	50%

will be used for the power can. Controller housing still TBD.

43	controller housing fabrication <i>Pending final wiring/interconnect design.</i>	20 days	Fri 4/26/02	Thu 5/23/02		0%
48	riser cable termination socket design <i>No progress.</i>	8.33 days	Fri 4/19/02	Wed 5/1/02	Chaffey Mark[60%],Erickson Jon[60%]	20%
55	bridle/snubber strain gage specified <i>Mark Chaffey trying to contact Jim Irish on WHOI/commercial vendor design. Keith - is there a fallback? None identified besides from scratch in-house design.</i>	8.33 days	Thu 2/28/02	Mon 4/29/02	unassigned EE[60%]	40%
57	snubber hose final design specification <i>Need to finalize flange material, 316SST, or mild steel. Galvanized steel not compatible with rubber bonding. Corrosion concerns with 316SST (crevice) and mild steel (gross material loss). Bouy group has had good experience with 316 with no detectable corrosion in 316 weldments after one year deployments. Mark C. , will resolve with Jon and Gene.</i>	8.33 days	Wed 3/27/02	Mon 4/29/02	Chaffey Mark[60%],Erickson Jon[60%]	50%
61	coilcord core cable fabrication <i>In progress at Cortland Cable.</i>	35 days	Mon 4/1/02	Fri 5/17/02		49%
64	bending strain relief specified <i>No progress.</i>	3 days	Mon 4/15/02	Wed 4/17/02	Erickson Jon[60%]	0%
70	tower final detailed design <i>CDR pending.</i>	8.33 days	Wed 4/17/02	Mon 4/29/02	Erickson Jon[60%]	0%
71	bridle final design <i>No update. Waiting on snubber flange final dimensions.</i>	5 days	Tue 3/26/02	Thu 4/25/02	Erickson Jon[60%]	50%

72	tower and bridle CDR <i>Pending.</i>	0 days	Mon 4/29/02	Mon 4/29/02	Erickson Jon	0%
75	float design <i>Pending.</i>	5 days	Mon 3/4/02	Tue 4/23/02	Erickson Jon[60%]	90%
78	anchor system preliminary design <i>No progress.</i>	8.33 days	Tue 4/23/02	Fri 5/3/02	Erickson Jon[60%],Chaffey Mark[60%]	0%