MOOS mooring system 6/5/02 meeting notes 11 weeks to deployment

Present: John R., Tim M., Lance M., Duane E., Jon E., Mike R., Ed M., Mark C. (notes)

1. Update from the project scientist. *Two focus group meetings for the MSE (MOOS Science Experiment) 2003/2004 complete. UWC and midwater focus group meeting scheduled. Goal is to define series of experiments that are divided by levels of complexity. Will meet with MOOS project team and iterate on system components that are needed for projected experiments in order to be able to provide a clear definition of MOOS capabilities to researchers well before the July 23 proposal abstract submission date.*

2. Project schedule. *Project continues to be about one month behind schedule. Discussions with Pt. Sur operations have continued with launch date later in the fall. Plan is to continue to work hard to get the system completed and tested as close to the originally scheduled launch date as possible in order to keep momentum going as well as have a chance at the earliest possible deployment opportunity. Revised schedule will be presented at next meeting.*

3. Current task status.

ID	Task Name	Duration	Start	Finish	Resource Names	% Complete
3	power system prelim. design & diagram *Dummy power loads are no longer required in the test mooring power system.*	8.33 days	Tue 2/12/02	Thu 5/23/02	Mellinger Ed[60%]	70%
4	power system housing specification/design *Current Al housing design has possible problem with O-ring seal design. Jon Erickson following, still not known if we can use the same prints.*	5 days	Thu 4/25/02	Mon 5/27/02	Mellinger Ed[60%]	50%
14	design panel mounts *Details of panel mounts still TBD. Jon & Ed investigating availability of 'Z' Al channel for mounting.*	5 days	Fri 2/22/02	Mon 3/11/02	Mellinger Ed[60%],Erickson Jon[60%]	60%
34	wave/acceleration instrument on order *Order placed and delivery scheduled for*	35 days	Tue 5/21/02	Mon 7/8/02		0%

	late July. Loaner/rental unit available by June 19 to aid software development and check-out.					
39	RF communications specified *Plan is to use the Globalstar/Qualcomm modem. Service started, Lance and Duane E. working with facilities on semi-permanent antenna installation with cable lead-in to the software engineering lab.*	8.33 days	Tue 3/26/02	Thu 5/23/02	McBride Lance[60%]	75%
40	controller wiring design complete *In progress.*	8.33 days	Mon 4/29/02	Fri 5/31/02	McBride Lance[60%]	45%
48	riser cable termination socket design *No progress, becoming critical.*	8.33 days	Fri 4/19/02	Wed 5/29/02	Chaffey Mark[60%],Erickson Jon[60%]	20%
55	bridle/snubber strain gage specified *Amplifier and power supply issues being resolved. Still planning on 4-20mA current loop gage connected directly to A/D system.*	8.33 days	Thu 2/28/02	Mon 5/27/02	unassigned EE[60%]	40%
57	snubber hose final design specification *Still waiting for final specification from Walter Paul (WHOI). Flange has been finalized as a 4" weld-neck pipe flange, class 150, 316L stainless steel, electro-polished and passivated.*	8.33 days	Wed 3/27/02	Thu 5/23/02	Chaffey Mark[60%],Erickson Jon[60%]	75%
58	snubber hose fabrication *No schedule time until specification completed.*	84 days	Thu 5/23/02	Wed 9/18/02		0%
61	coilcord core cable fabrication *No update. Initial run of 200 feet complete and forwarded to Whitney Blake for construction*	35 days	Mon 4/1/02	Fri 5/24/02		90%

	of test coilcord (two week process). After testing is successful 1000 more feet will be run and at least four coil-cords constructed.					
62	coilcord fabrication *See above. Final build specification has been re-worked to note vulcanization of straight sections as well as short pigtails for base of snubber section. Waiting to get final quote from Whitney Blake. Initial run is in progress of four test coils. MBARI will perform optical measurements and Duane T. is building cyclic test stand. This work will be highest priority so we can quickly analyze the results and release the final build.*	35 days	Fri 5/24/02	Fri 7/12/02		0%
64	bending strain relief specified *No progress. Mark C. to forward TMT modeling results of South Bay cable.*	3 days	Tue 5/21/02	Thu 5/23/02	Erickson Jon[60%]	0%
70	tower final detailed design *CDR held 5/31/02. Outstanding items: Tolerancing on foam float, weld strength certification and minor issues on galvanic isolation.*	8.33 days	Wed 4/17/02	Mon 4/29/02	Erickson Jon[60%]	84%