MOOS mooring 3/27/02 meeting notes 21 weeks to deployment

1. Software weighs in *Duane Edgington joins the meeting to contribute on NMC/controller design and integration topics.*
2. Update from project scientist. *John Ryan needs the mooring replacement cost from Mark Chaffey to include in the NOPP proposal.*
3. Data requirements from test mooring *Not discussed. Topic is what data products will be required from the test mooring and should the project start working with SSDS to define and chart a path for delivery. Will be continued to future meeting.*
4. *Project team schedules: Ed Mellinger out through April. Mark Chaffey out week of 4/1 and 4/8 returning Friday 4/12. There is no MOOS meeting scheduled for these weeks.*
5. Current task status

ID	Task Name	Duration	Start	Finish	Resource Names	% Complete
3	power system prelim. design & diagram *On hold pending Ed's return.*	8.33 days	Tue 2/12/02	Fri 3/29/02	Mellinger Ed[60%]	70%
4	power system housing specification/design *On hold pending Ed's return.*	5 days	Fri 3/29/02	Fri 4/5/02	Mellinger Ed[60%]	0%
9	battery housing size, design and locate *Design in plan check, should be completed 3/29/02. Needs connector hole specified to be complete, then ready-for-fab.*	10 days	Wed 3/6/02	Tue 3/26/02	Mellinger Ed[60%],Erickson Jon[60%]	95%
14	design panel mounts and tower access *Panels specified as BP 3160 model. Need panel mount designed to get good weight estimate so buoyancy and stability can be calculated for foam order.*	5 days	Fri 2/22/02	Mon 3/11/02	Mellinger Ed[60%],Erickson Jon[60%]	60%

16	panel delivery time	15 days	Thu 3/28/02	Wed 4/17/02		0%
17	select solar charge controller/PPT *Test units on order.*	10 days	Tue 3/19/02	Tue 4/9/02	Mellinger Ed[60%]	10%
24	turbine mount and access design *Test turbine in-house.*	1 day	Fri 3/8/02	Fri 3/8/02	Mellinger Ed[60%],Erickson Jon[60%]	75%
27	select wind charge controller *Not needed for test mooring.*	8.33 days	Thu 3/28/02	Tue 4/9/02	Mellinger Ed[60%]	50%
32	temporary controller requirements specified *Requirements list refined. Still need better resolution on sampling rate and other analog input details. Source of compass data needs to be determined.*	8.33 days	Mon 2/11/02	Tue 3/26/02	McBride Lance[60%]	95%
34	wave/acceleration instrument on order *On hold pending software approval. Need to resolve compass source.*	35 days	Wed 3/27/02	Tue 5/14/02		0%
35	temporary controller specfied *Plan is to use NMC/CERF cube main controller.*	8.33 days	Mon 3/4/02	Tue 3/26/02	McBride Lance[60%]	95%
38	CERF adapter board debugging *Greater than desired noise on5V power supply. Lance and Wayne investigating.*	12 days	Thu 3/14/02	Fri 3/29/02	McBride Lance[60%],SE[60%]	75%
39	RF communications specified *In progress.*	8.33 days	Tue 3/26/02	Fri 4/5/02	McBride Lance[60%]	0%
41	controller housing and chassis specification/design *On hold pending finalization of system diagram and connector specifications.*	6 days	Tue 3/26/02	Wed 4/3/02	Chaffey Mark[10%],McBride Lance[60%]	0%

42	temporary controller on order/fab	30 days	Tue 3/26/02	Tue 5/7/02		0%
43	controller housing fabrication	20 days	Wed 4/3/02	Wed 5/1/02		0%
46	selection of riser cable vendor *Final selection down to two vendors. Pending cable diameter sensitivity model. (Note: South Bay selected as vendor 3/29/02).*	20 days	Mon 2/11/02	Tue 3/26/02	Chaffey Mark[60%],Mellinger Ed[10%]	95%
47	riser cable on order *Order placed 4/1/02.*	80 days	Wed 3/27/02	Tue 7/16/02		0%
53	snubber electro-optical connectors specified *Specification complete and order placed 4/1/02.*	5 days	Mon 2/18/02	Tue 3/26/02	Chaffey Mark[60%],Mellinger Ed[10%]	80%
55	bridle/snubber strain gage specified *No progress.*	8.33 days	Thu 2/28/02	Mon 4/1/02	unassigned EE[60%]	40%
57	snubber hose final design specifcation *Waiting on Walter Paul at WHOI to draft specification.*	8.33 days	Wed 3/27/02	Mon 4/8/02	Chaffey Mark[60%],Erickson Jon[60%]	25%
61	coilcord core cable fabrication *Order placed 4/1/02.*	35 days	Tue 3/26/02	Mon 5/13/02		0%
63	snubber electo-optical connectors delivery time	100 days	Wed 3/27/02	Tue 8/13/02		0%
70	tower final detailed design *Pending solar panel design.*	8.33 days	Tue 3/26/02	Fri 4/5/02	Erickson Jon[60%]	0%
71	bridle final design *Pending final snubber specification/design.*	5 days	Tue 3/26/02	Mon 4/1/02	Erickson Jon[60%]	0%
75	float design . *Need solar panel mount designed to get good weight estimate so*	5 days	Mon 3/4/02	Wed 3/27/02	Erickson Jon[60%]	80%

	buoyancy and stability can be calculated for foam order.					
76	float order and lead time	40 days	Wed 3/27/02	Wed 5/22/02		0%
78	anchor system preliminary design *No progress.*	8.33 days	Tue 3/26/02	Fri 4/5/02	Erickson Jon[60%],Chaffey Mark[60%]	0%