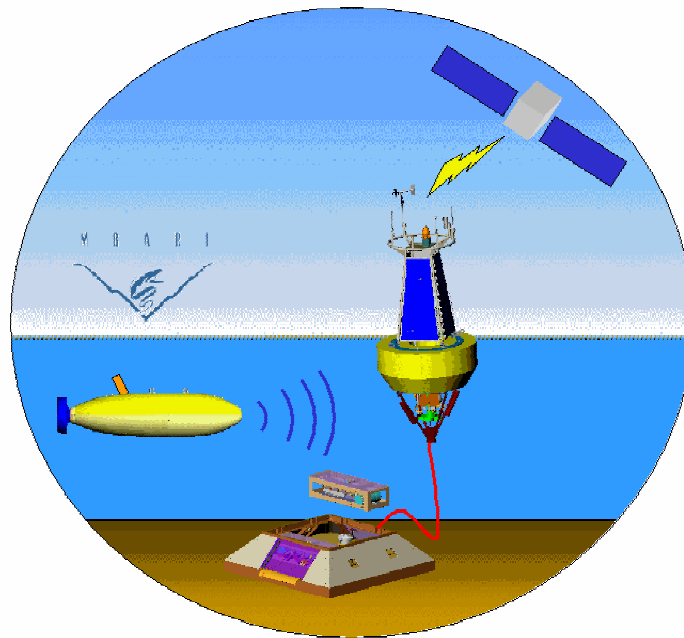


SIAM 2004



January 7, 2004

Agenda

- Milestones
- Development strategy
- Critical issues
- Task assignments

Deployments and milestones

February 13	Begin MTM hardware integration
March 23	MTM deployment
April 30	MTM BIN deployment
Mid-May ???	Begin CIMT hardware integration
June 25	CIMT deployment



MTM: March 23

- Globalstar and Freewave wireless links
- Power management not required
- High-rate data logging of strain gauge
- New instruments
 - RDI Long Ranger ADCP
 - Power subsystem
 - A/D (optical data)
- Pucks?

MTM expansion: April 30

- BIN deployment
- Multi-node portal
- Science instruments on BIN
 - RDI Workhorse ADCP
 - Hobilabs HydroScat-2
 - Seabird SBE-16

CIMT: June 25

- Phase 1 power management
- Freewave wireless link
- CIMT 2003 instrument suite
- Pucks
- End-to-end metadata

Mandatory vs optional features

- Limited time and software resources; must carefully decide what is actually required
 - Some features must be deferred
- For CIMT deployment, we must have plug-and-work self-identifying instruments:
Keith Raybould
 - Full end-to-end metadata transport

Agile/XP development strategy

- Continue our two-week development cycles
 - Release and demonstrate software to users
 - Determine next set of user stories
- Daily scrums in Building G
 - 9 AM OK?
- Weekly team meeting

Agile/XP development strategy

- Software tests
 - *JUnit* for unit tests
 - Write tests as you develop your software
 - Acceptance test procedures for end-to-end SSDS functionality

Users

- Science
 - MTM BIN instruments: Ryan et al
 - CIMT: Chavez
- MOOS mooring team: Mellinger et al
- Observatory support group: Kelley, Zorba
- Engineering support: Headley, Okuda?
- User meeting to be scheduled soon

Critical open issues

- Puck XML schema
- Compass turns counter interface/implementation
- Power subsystem interface
- Data logger interface/implementation

Dan Davis

- Puck XML schema CIMT
- XML/properties editor and tools CIMT

Kent Headley

- Metadata triggering mechanisms CIMT
- *DevicePacket* attributes CIMT
- SSDS acceptance test procedures CIMT
- Mock deployment exercise, user training
CIMT

Bob Herlien

- Power management
 - Radio power scheduling and leasing **MTM**
 - Phase 1 **CIMT**
 - Phase 2 **CIMT**

Tom O'Reilly

- SSDS acceptance test procedures CIMT
- Node diagnostics packets MTM
- Multi-node portal MTM-BIN
- Wave sensor checkout, *RDI Long Ranger* ADCP MTM
- Science instrument service enhancements MTM-BIN, CIMT

Mike Risi

- Power subsystem interface MTM
- *Globalstar* modem integration MTM
- Data logger interfaces MTM

Other resources

- Karen Salamy - 10 days
- Brent Roman - 25 days?