

Project: 902100 Telepresence on MBARI Research Vessels

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The telepresence project is off to a good, and early start in 2020. Efforts so far have been constrained to providing the rapid response set forth in the discretionary effort. At present, we have demonstrated the system on both ships can be configured and run entirely from shore for the Western Flyer on upgraded VSAT. It is not a “turn-key” solution, but meets the requirement of requiring little offshore intervention, and resource allocations for this year are already heavily drained.

We are still identifying key partners on each ship, the distribution of roles are becoming more clear as we begin using the limited system. Here is our expected work breakdown structure for operations and IS personnel:

Role	Responsibilities	WF Personnel	RC Personnel
Systems Integration	- Control Room Feeds - Intercom - Maintenance/Operation - Troubleshooting	Ben Erwin Bryan Schaefer	Craig Dawe DJ Osborne
Telecommunications Managers	- Satellite Service Upgrades - Microwave Monitoring	Dan Chamberlain	Craig Okuda
Administrative Approvals	- Reviews Participants in Previde - Approves Public Streams	Andrew McKee Michael Kelly	Aaron Gregg Michael Kelly
Information Services	- QoS System Configuration - Ship to shore network administration	Dan Chamberlain Adriana Sisfontes IS	Adriana Sisfontes IS
At-Sea Call Initiation and Participation	- Can be done from shore - Training in progress for shoreside scientists	Shoreside Scientist Eric Martin (backup)	Shoreside Scientist Eric Martin (backup)

The budget presented does cover a second set of hardware to serve as spares to the equipment already purchased and installed under discretionary funds in August 2020 on both ships. We have already been able to vet that the selected equipment provides the functionality we require.

With regards to labor scoping, our estimates for pre-cruise modification should suffice, as modifications are already underway in 2020 due to immediate need. Finally, as requested, Mike Risi's hours have been removed from our labor budget request.