

901500 AUV Science Operations Using Terrain Relative Navigation

Rating: Likely to be supported

MT contact: Doug

Management Team Feedback:

Thank you for providing an informative abstract presentation. This work will be critical for any future low-altitude, high-resolution, autonomous imaging platform.

For your phase 1 proposal, please consider the following comments:

Please be aware that due to recently imposed regulations by the California State Lands Commission, operations within any state Marine Protected Area (MPA), including Portuguese Ledge, will require prior consultation with the California Department of Fish and Wildlife to determine permit requirements, if any. To fulfill this prerequisite, we are currently gathering information from all projects planning work in MPAs. Please be sure to include this in your proposal in the section titled “Authorizations/Permits from other Agencies or Organizations.”

There are several projects now competing for use of the “Iceberg AUV”. Additionally reliability issues have been occurring when our Dorado class AUVs are disassembled and reassembled to accommodate competing project needs. Therefore, competing projects should coordinate and prioritize efforts with marine operations to ensure that the AUV configurations remain as stable as possible.

Please be sure to separate Terrain Relative Navigation technology transfer tasks for this effort in this proposal from those that will be identified in the proposal for project #600034 Precision Control Technologies for ROVs and AUVs.

Finally, we note that the project team members are part of several large proposals for 2017 and beyond. The group should consider the timing and scope of each of these efforts and provide a realistic high-level plan that includes priorities and timing of these efforts to yield a more integrated and staged development prospectus.