

AMENDMENT NUMBER 0008
TO ONR BAA 07-025 ENTITLED
"PAYLOAD IMPLOSION AND PLATFORM DAMAGE PREDICTION AND
VALIDATION"

The purpose of Amendment 0008 is to respond to questions resulting from said BAA as follows:

Question 1. Is there is any classified restriction to this BAA?

Response: The text of the BAA is approved for public release. The text of the at-sea and pressure tank implosion tests generated by resulting awards will be Distribution Statement D, available only to DoD and DoD contractors. Test details, specifically the underwater explosive weight and standoff, and any recorded test data will be considered classified. Participation in Tasks A, B, and F is subject to the eligibility requirements in Amendment 0005.

Question 2. The BAA's Task A requires test at 1-1.5K feet depth while Task B asks fabrication of the test structures. My firm does not have these kinds of capabilities but do have advantages for Tasks C and D. Would it be possible (1) using land-based small-sized tests through dimensionless analysis to simulate the process or (2) corporate with institute who has the facilities?

Response: Amendment 7 extends the proposal deadline for Tasks A,B and F only. Tasks C and D have already closed. Task F involves land-based small-scale experiments in a pressure tank. However, small scale experiments cannot completely replace at-sea testing.

Question 3. The "land-based small-sized tests" means design of pressure vessel with 0 to 50bars inner pressure capacity to simulate the environment of 0 to 1500 ft depth under sea; plus the device inside the vessel to control the direction of shock wave and protection layer to prevent damage to the vessel's wall.

Response: Please refer to response to Question 2.

Question 4. The "dimensionless analysis" means the approximation that flow turbulence is behind the negative shock wave / bubble front and thus has less effect to the target structure.

Response: Please refer to response to Question 2.