

Innovative Design Award Guidelines

Teams will present their modifications to the Sea Perch design via a tri-fold presentation display and informal interview with a panel of judges. Teams shall be prepared to discuss the initial hypotheses and solutions that led them to their process. At the conclusion of the interview, judges should have a clear understanding of how students implemented their basic knowledge of fluids and propulsion. It is also encouraged that preliminary sketches be included on the tri-fold display to show the progressive steps of the team's design process (hand drawn and/or CAD samples).

A display or tri-fold display board (24"x36") shall be used to present aspects of the innovative design including photographs. All innovative design boards will be displayed at the ASNE Intelligent Ships Symposium VII on 9-10 May 2007 at Drexel University where they will be viewed by hundreds of industry, academia and government engineers. Format on the display is left to the discretion of the team.

Judging Rubric:

	Needs Improvement	Fair	Good	Excellent
Innovative Design	<p>Design and structure are standard.</p> <p>Propulsion system mounted in expected manner.</p> <p>Weak design explanation from team members.</p>	<p>Design creative, unique use of allowable materials and/or structural components.</p> <p>Propulsion system mounted in expected manner. Creative strategy for coordinating missions.</p> <p>Fair design explanation from team members.</p>	<p>Design creative, unique use of allowable materials and/or structural components.</p> <p>Propulsion system mounted in unexpected manner. Creative strategy for coordinating missions.</p> <p>Good design explanation from team members.</p>	<p>Exceptional design, unique use of allowable materials and/or structural components.</p> <p>Propulsion system mounted in unexpected manner. Creative strategy for coordinating missions.</p> <p>Excellent design explanation from team members.</p>