

## **2015 Sea Perch Challenge Oral Poster Presentation Check List**

### **Elements to include in the Oral Poster Presentation**

#### **I. PRESENTATION OF THE COMPANY**

- Company Information and Objectives
  - Company Description
  - Mission/Vision statement and purpose that includes naval engineering focus
  - Organization/structure of company explained
  - Recruiting methods for new company members
- Budget Management
  - Identified and itemized modifications
  - Explained trade-offs for various modifications

#### **II. KNOWLEDGE OF DESIGN AND MANUFACTURING PROCESS/ENGINEERING**

- Design Process
  - Identified steps to achieve design modifications/alternatives
  - Demonstrated design research as part of their process, (naval engineering research)
  - Identified technical calculations or testing to optimize/select design
  - Practicing and testing was well planned
  - Lessons learned from testing were present and specific
- Engineering Process and Roles
  - Discusses naval engineering field and roles
  - Demonstrates knowledge of design process: problem definition, tradeoffs, and testing.
  - Identifies naval engineering design considerations.

#### **III. PRESENTATION AND PROFESSIONALISM**

- Overall Appearance (Max. size: 48" x 36")
  - Poster Size
  - Use of colors
  - Text, Graphics Balance
  - Organization & Flow
- Objectives & Main Points/Summary
- Presentation Skills
  - Focus on naval engineering
  - Fluent, clear, audible delivery. Correct grammar and language use
  - Non-verbal skills: Posture; practiced use of visual aids
  - Overall confident, direct, and animated.
  - Presenters and teamwork (at least 2 presenters and less than 9)
- Visual Aids
  - CAD/other, visualization (Power Point Rendering) aids
  - Visual aids (charts etc.) neat well prepared
  - Creative use of other visual aids presentation techniques

#### **IV. INNOVATIVE DESIGN INTERVIEW Q and A (5 MIN)**

- Clarification of System Designs
  - Team response to judges' questions

For complete details please refer to the 10th Annual Greater Philadelphia Sea Perch Challenge 2015 Competition Specification.

February 18, 2015