



**Judges Initials:** \_\_\_\_\_

**SSRSEF Engineering Feedback Form (6-8):** This form is for project feedback only and reflects the minimum requirements. Meeting all the standards does not guarantee an award.

<b>Engineering Process Presentation Board</b>	<b>Meets Standard</b>	<b>Doesn't Meet Standard</b>
Description of a practical need or problem to be solved.		
Definition of criteria for proposed solution		
Explains the available materials and resources (constraints)		
Exploration of alternatives to answer need or problem		
Identification of a solution		
Pursues the most promising solution based on how the idea meets the criteria for a successful solution.		
Uses suitable tools, techniques and materials to make a drawing, build a model or prototype, or write or use a program of the proposed design.		
Tests the solution to see how well that solution solves the problem. Modifies the design, if necessary. Creates a new drawing, model or prototype, or program.		
Collects and analyzes data using graphs, tables, and/or charts.		
Determines the best solution and explains the reasons.		
Display board is logically organized with clear graphics and legends.		
Spelling and grammar are accurate.		
All safety issues are addressed.		

**Oral Presentation**

Thoroughly explains their problem and multiple solutions using appropriate engineering terms, explains what they tested and why, what they learned and the significance of their project.		
Has an understanding of basic science relevant to project and understands the interpretation and limitations of the results and conclusion.		
Provides quality ideas for further research and recognizes the potential impact on science, society, and/or economics.		
Provides clear, concise, and thoughtful responses to questions pertaining to their project.		

**Journal**

Defines a need or problem to be solved.		
Background research and information.		
Explanation of constraints, criteria and includes prototypes or models.		
Contains complete notes, records and dates of all tests. Data may handwritten or on an electronic device available for judges.		
Project is clearly explained.		
Includes safety concerns.		

**Strengths of this Project:**

**Areas for Improvement:**

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