

Preliminary Design Review & Feedback

ECE Senior Design

Evaluated by (check one):

Evaluation of Team No. _____

____ Project Sponsor ____ MTU Faculty ____ MTU Professional Staff ____ Industry/External

Evaluate and comment on the draft project design report and presentation. The report should conform to format provided on back of this sheet. Sections related to final design, conclusions, and recommendations are not yet done. Sections related to project description/spec, project management, evaluation of alternative designs, chosen design approach, and documentation of preliminary design are expected to be complete. Appendix sections may not be complete. Scanned hand calcs and sketches may also be attached.

Based on review of design approach, calculations, documentation, and team presentation, evaluate the proposed design and work to date. Use a 5-10 point scale. Provide major comments below. Point out errors and write helpful suggestions in the margins of the report and return to faculty advisor with this sheet.

- 10 - Excellent design, clear documentation, everything correct: big raise, dinner at boss' house. (A+)
- 9 - Good design, adequate documentation, small errors: average raise, pat on the back. (A)
- 8 - Fair design, marginal documentation, ok if errors caught in time: small raise, work harder. (B)
- 7 - Poor design, poor documentation, major calculation errors, salvageable design: no raise. (C)
- 6 - Major flaws in design, very poor documentation, infeasible design: better shape-up. (D)
- 5 - Dismally poor, incomplete, calculations wrong, illegible report, no real engineering done. (F)

1) Project organization: scheduling, budget, use of personnel/resources, etc.

Comments: _____

2) Completely understand problem, clear definition & technical specification, constraints.

Comments: _____

3) References: thorough research of available technology, components, design methods.

Comments: _____

4) Evaluation of alternative designs, justification of chosen design.

Comments: _____

5) Viable design approach, based on sound engineering analysis.

Comments: _____

6) Supporting info (preliminary): calculations, assumptions, drawings, design notes.

Comments: _____

7) Report layout, writing style, effective use of "visuals" (figures, tables, equations).

Comments: _____

8) Clear effective presentation, ability to explain and answer questions.

Comments: _____