

Report 1A - Team Design Overview Criteria

The Design Overview document should outline all aspects of the product design sufficient to show that the system will completely meet all specifications. It should also include a plan that will necessarily contain an overview of your approach to the problem of constructing the product. You must be able to define the key areas that will need your design and production efforts.

The report should contain the following:

- **Problem Description:** In your own words, a brief summary of the problem you are trying to solve. Include some different viewpoints of the problem that may not be immediately obvious from the product description.
- **Proposed Solution:** Overall description of your proposed approach to solving the problem.
- **Verification of Solution:** Show that the parts described above will form a cohesive system that meets the specifications. This section should demonstrate that you have considered and understood the problem as a whole, and not just as a number of loosely connected sub-problems.
- A product backlog, which divides the key product sub-systems into individual tasks including allocation of responsibilities to team members. (*can be attached as an appendix*).
- Tentative Budget (*can be attached as an appendix*).

The report should have a title page with the report title, team number, and team member names and student numbers. The report should include a table of contents. All figures should be kept as near as practical to the text which refers to them.

The report should total less than 4 pages, including diagrams but excluding title page and table of contents.

Assessment Criteria (report 1 - Overview):

- **Pass:** Your statement of the problem is more than a reproduction of the product description. You have highlighted some of the difficulties with designing the product and brought them to the foreground. You have shown that all of the parts integrate consistently into a cohesive unit, and provide evidence that the design will meet all specifications. You have allocated sub-systems to each of the team members and shown how they integrate. You have presented a tentative budget.
- **Fail:** You have a brief statement of the problem, OR there are many inconsistencies in the integration of the parts, OR there is little or no evidence that the design will meet specifications, OR there is little indication of team member responsibilities, OR no budget is presented.

If the report is graded “Fail” you must resubmit it within one week. Failure to pass this assessment item means that no team member can achieve a grade higher than 3.