

## Engineer

**Goal 1. Investigate Design Alternatives for \_\_\_\_\_ by \_\_/\_\_/\_\_. (see comment)**

- a. Investigate design alternatives for (increasing / decreasing) the (insert a parameter here) for (insert a system here). Prepare presentations for 3 bi-weekly meetings to share your ideas with physicists and other engineers.
  - b. Perform FEA or hand calculations as appropriate to quantify improvement. Develop budget cost estimates for each alternative.
  - c. Identify a preferred design. Estimate the costs for both materials and services and for engineering, design, inspection and administrative costs.
  - d. Limit your time spent and charged to this job to 180 hours (approximately 10% of a person-year).
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Comments:

1. View this as a single goal with a - d performance indicators and milestones
2. If specifying a delivery date is not possible due to other factors, simply rely upon guidance implicit in the expected man hours (item d.) and encourage the engineer to stay in close contact with whoever is requesting the design alternatives.