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Section: A

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Chapter 7

EVALUATION

- **Evaluation** should be an *ongoing* process throughout the life of a project.
- Look for any fallacies in logic that might have occurred, especially at key decision points during the project.
- Challenge the various assumptions that were made.
- Evaluate future directions in light of the results of each phase to verify
  that the direction we are proceeding in is still the correct one.

Evaluation Checklist

1. Have you challenged the information and assumptions provided?
2. Does the solution solve the *real* problem?
3. Is the problem permanently solved, or is this a patchwork solution?
   Does the solution have impact?
4. Have all the consequences of the solution (adverse as well as positive) been
   examined?

5. Have you argued both sides-the positive *and* the negative?
6. Has the solution accomplished all it could?
7. Is the solution economically efficient and justifiable?
8. Have the "customers" been surveyed to see if the solution meets all their needs?
9. Does the solution cause other problems (e.g., environmental, safety)?
   Is the solution logical?
10. Is the solution economically, environmentally, and politically responsible and safe?

- the McMaster Five-Point Strategy gives the following checklist for examining proposed solutions:

1. Check that the solution is blunder-free.
2. Check the reasonableness of results.
3. Check that criteria and constraints are satisfied.
4. Check the procedure and logic of your arguments
5. Check to see if there is a piece of the puzzle that doesn't fit and consequently may require the entire solution to be redone

Evaluation
Chapter 7

Section: A •

ENIE-202 •

Dr: Hani Shafeek •

Group: 4 •

7.1 GENERAL GUIDELINES

Evaluation should be an *ongoing* process throughout the life of a project.

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-Challenge the various assumptions that were made.

-Evaluate future directions in light of the results of each phase to verify that the direction we are proceeding in is still the correct one.

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