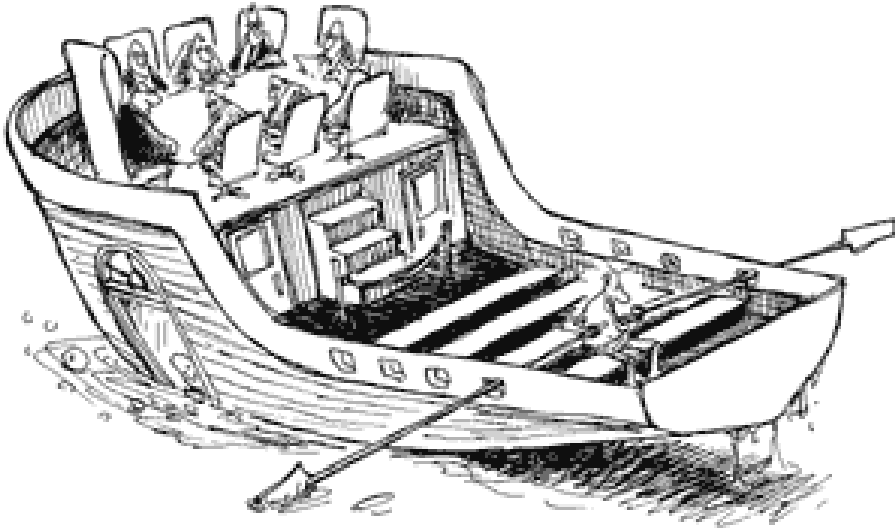


One Possible Improvement Outcome

I DON'T GET IT...
AFTER ALL THE
BUDGET CUTS TO
STREAMLINE
THE WORK FORCE,
WHY AREN'T
WE MOVING
FASTER?



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I - Process Improvement

- ⇒ **Process simplification study**
 - ↳ What were the criteria for selecting the study process?
 - ↳ What was the process selected? Why?
 - ↳ Who made up the process simplification team?
- ⇒ **What are three factors in process improvement?**
- ⇒ **What are three different views of a process?**
 - ↳ Why are they important for this study?
 - ↳ How were these views used in the study?
 - ↳ What data was gathered or used for each of these views?
 - ↳ What automated support was provided for the study?
 - What kinds of tools?
 - What kinds of process descriptions?
 - What data is needed for process improvement?
- ⇒ **Characterize the initial state of the process studied?**

II - Process Improvement

- ⇒ What were the overall goals for this study?
- ⇒ Value added study
 - ↳ What are the three kinds of value added that are important in this study?
 - ↳ Why are they important?
 - ↳ What extensions were made to the supporting tools?
 - ↳ What were the results of the study with respect to these different kinds of value?
 - ↳ What was the critical issue that was of no value to the customer?
- ⇒ Time usage study
 - ↳ What is the basic issue here (remember the time studies)?
 - ↳ What are the critical time problems?
 - ↳ What is the problem addressed in this study?
 - What are the issues?
 - Where was time wasted?

III - Process Improvement

⇒ Alternatives analysis

↳ What additional tool support was needed for this study

↳ What empirical study approach was used

➤ What is the major variable?

➤ What is the question?

➤ What is the hypothesis

➤ Who were the subjects and what did they do?

➤ What were the results?

⇒ What were the anticipated effects of the simplifications and improvements?

⇒ For each improvement proposed

↳ What were the issues?

↳ What were the problems?

↳ What were the improvements?

↳ How effective were they?

⇒ What are the lessons learned?

IV - Two Projects

⇒ Basic study issues

- ↪ What are the two important questions about project structure?
- ↪ What are the three components in the proposed model of software development projects?
- ↪ What are the hypotheses of this study?
- ↪ What were the project selection criteria?
- ↪ What are the project variables? Their importance?

⇒ Project 1 & 2 - for each project

- ↪ What is the goal?
- ↪ What was the development process?
- ↪ What are the primarily problems with this dev process?
- ↪ What was the solution used?
- ↪ What were the results

⇒ What were common observations?