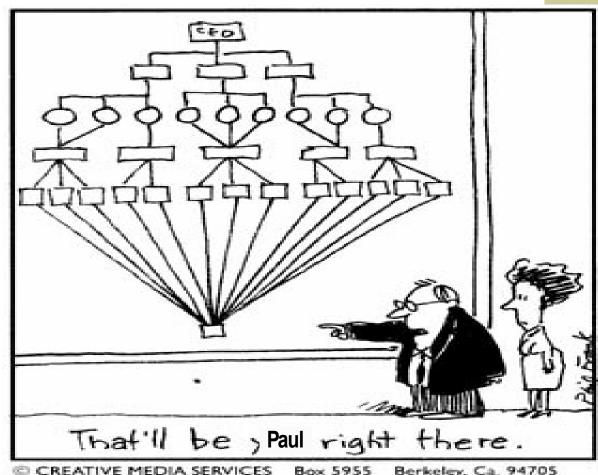
Implementing Process Improvement



CREATIVE MEDIA SERVICES Box 5955 Berkeley, Ca. 94705

Implementing Process Improvement

Does Size Matter or Was Yoda Right?

Yoda



With the Force size matters not, do or do not, there is no try!

The Question

Does the size of the organization change any of the fundamentals associated with the implementation of CMMI?

Agenda

- The Fundamentals
- Application to Large Organizations (>= 500)
 and Medium Organizations (100-500)
- Application to Small Organizations (1-100)
- Conclusions

Fundamentals

- Which of these are drivers?
 - Need to Change
 - Costs
 - Competitive requirement
 - CEO/CIO attended seminar where CMMI was mentioned

Fundamentals

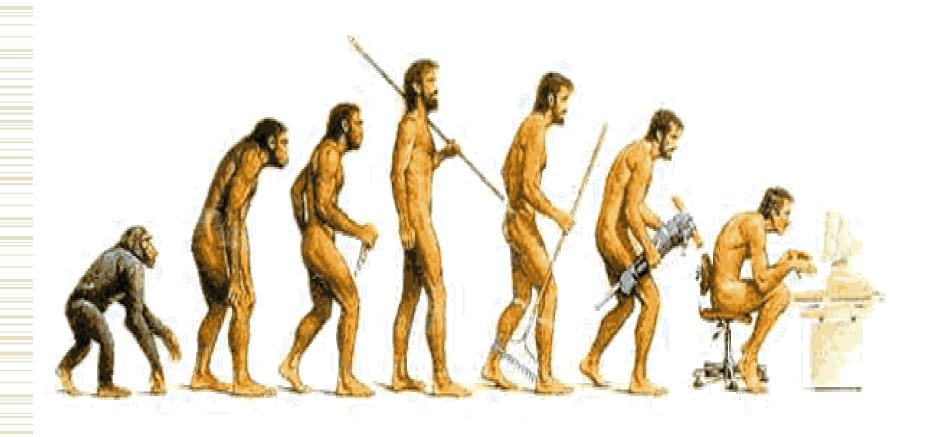
ANSWER: ALL ARE

Fundamental - Change

It is not necessary to change. Survival is not mandatory.

W. Edwards Deming (1900-1993)

Fundamental - Change



Fundamental - Change

- Less than 30% of those companies that were in the Fortune 500 in 1980 remain in the Fortune 500 today.
- Their success became their failure because they didn't see the need to change...to adapt to a new world order...until it was too late.
- There is no "status quo." That is an illusion. You are either getting better faster than the competition, or you are getting worse faster.

Fundamental - Expense*

- ◆ 175,000 IT projects are attempted annually at a cost of more than \$250 billion
- Over 31% of all projects are canceled at a cost of \$81 billion
- Over 50% of all projects exceed their original estimates by almost 100%
- Rework is 40% or more of the cost of software development projects

Source: The Standish Group CHAOS Report

* Projects Only/Does not include Maintenance or Enhancement efforts

Fundamental - Requirement

- Federal Contracts
- State Contracts
- Local Contracts
- Banking
- Pharmaceuticals
- Automotive

Fundamental – CEO/CIO

Without management support, you are finished before you start

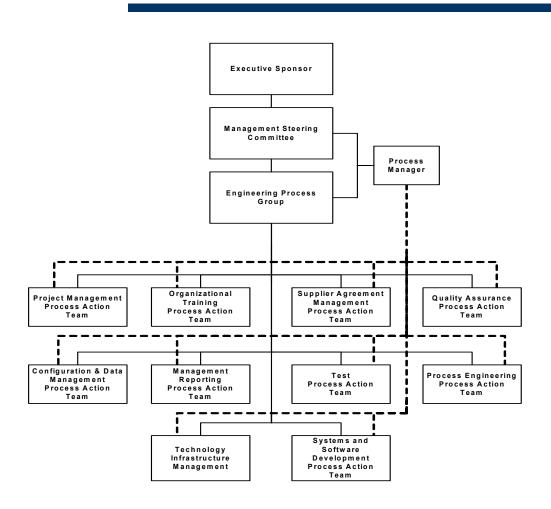
Fundamentals

- Infrastructure of successful Process Improvement efforts:
 - Masochistic Target of Opportunity (MTO), AKA
 "The Process Person",
 - Sponsor preferably one with authority and spine
 - Money training, reference materials, newsletter, trinkets, etc.
 - Hint quality IS NOT free

Fundamentals

- Infrastructure of successful Process Improvement efforts:
 - Plan how to "Git er don"
 - Acolytes and Test Subjects MTO's in training and pilot projects
 - Without Acolytes you are finished after you start
 - Incentives two approaches
 - Beatings will continue until moral improves
 - Reward system for achievement that covers more than the CIO

Fundamentals - Infrastructure



Fundamentals - Infrastructure

- Management Steering Committee
 - Provides executive leadership, support, and guidance
- Engineering Process Group
 — Composed of process area leads and senior managers
 - Provides operational direction, supervision and leadership, technical guidance, and process stewardship
- Process Action Teams Composed of Process Leads and Process Team Members
 - Accomplish process development, mentoring, and deployment

Large/Medium Organizations (>=500) & (100-500)

- In general, anyone NOT seen these fundamentals apply?
 - Single division/business units
 - Corporate across multiple divisions/business units
 - Projects within divisions/business units
 - Departments within divisions/business units

- Do these fundamentals apply?
 - Change
 - 90% of small business fail one trick pony?
 - For a small team in a large/medium organization single focus or general (robotics/development) – technology drive
 - Costs
 - Small business cash is king (see failure stat)
 - Small team can you say "overseas or outsourced"

- Do these fundamentals apply?
 - Competitive requirement
 - Small business SBA programs and set-asides
 - Small team Other teams want you, consolidation
 - CEO/CIO Support
 - Small business much closer to the problems, but less latitude to solve them
 - Small team don't have CEO/CIO but managers are expected to think like them

- Do these fundamentals apply?
 - MTO
 - Small business, Small team who's responsible
 - Sponsor
 - Small business, Small team both need buy-in
 - Money nuff said

- Do these fundamentals apply?
 - Plan
 - Small business, Small team try without one
 - Acolytes and Test Subjects
 - Small business, Small team need buy-in from doers
 - Incentives
 - Small business, Small team only time that "keep your job" may actually be single reason

Conclusion

- ◆ Understanding that Scope of Work and Level of Effort to accomplish the work are not the same as Fundamental principles that apply to the work Size does not matter!
 - Build an overpass, build the Golden Gate Bridge

Counter Opinions?

- Speak now or I will assume you are:
 - In agreement
 - Assimilated
 - Numbed by information overload
 - Don't care its Reception time

Process Improvement should be the light at the end of the tunnel, not a train coming at you



Contact Information

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