

CMMI® Executive Overview

Unleashing Your
Competitive Advantage



SAMPLE SLIDES

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What We'll Be Discussing

- 1 Do You Need Process Improvement?
- 2 What Is the CMMI?
- 3 Who Uses It?
- 4 Why Should *You* Use It?
- 5 What's Inside the CMMI?

- 6 What Is a Maturity Level?
- 7 How Do Appraisals Fit in?
- 8 What Training Is Available?
- 9 Implementation Tips
- 10 The Role of Senior Managers

Quality Problems?

Too much rework



Customer complaints



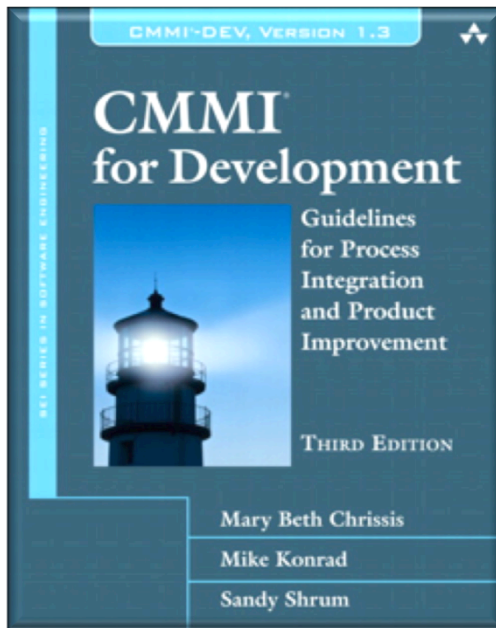
Functions not working correctly



“Complying for compliance’s sake **ravages** the operation and firmly entrenches **self-defeating** cycles of continued **mediocrity.**”

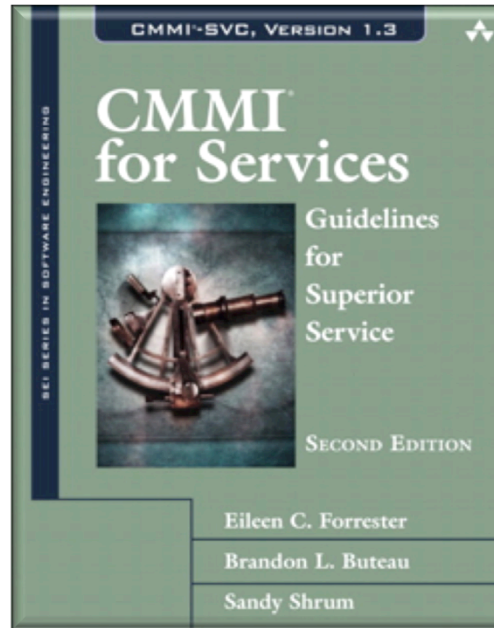
Three Different Constellations

CMMI-DEV



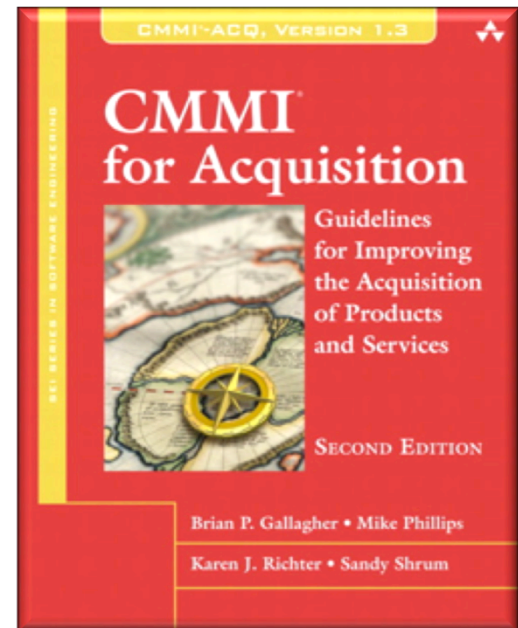
product
development

CMMI-SVC



service
establishment
& delivery

CMMI-ACQ

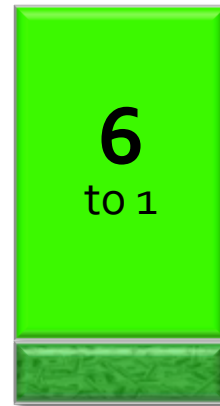


product
& service
acquisition

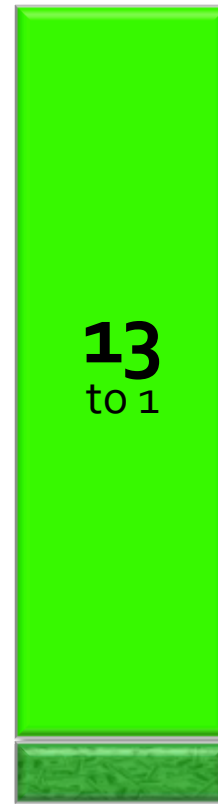
Return on Investment Examples



ROI



CMMI ML 3
Raytheon



CMMI ML 5
Northrop
Grumman IT*



CMMI ML 5
Reuters**

*Defense Enterprise Solutions, defects avoided per hour spent in training and defect prevention

**Post-release defect reduction, moving from SW-CMM ML3

CMMI Core PAs*

| ML | Process Management | Project Management | | Support |
|----|--|--|--|---|
| 5 | Organizational Performance Management | | | Causal Analysis and Resolution |
| 4 | Organizational Process Performance | Quantitative Project Management | | |
| 3 | Organizational Process Focus Organizational Process Definition Organizational Training | Integrated Project Management Risk Management | | Decision Analysis and Resolution |
| 2 | | Project Planning Project Monitoring and Control Requirements Management Supplier Agreement Management | | Configuration Management Process and Product Quality Assurance Measurement and Analysis |

*plus Supplier Agreement Management, shared by CMMI-DEV and CMMI-SVC

ML

Process
Man

Project

Support

5

Organiz
Perform
Manage

Analysis and
on

4

Organiz
Process
Perform

3

Organiz
Process
Organiz
Process
Organiza
Training

Analysis
lution

2

Requirements Management

Avoiding
scope
creep



tion
ent
nd
quality

ent and

Analysis

management

Average Time to Move Up in Maturity Level



(SEI 2011)



50th percentiles
25th to 75th

"If the improvement objectives are unrealistic, the improvement program will be just one more of the organization's chaotic death march projects."

