

SCAMPI Appraisals for Small Companies

CMMI[®] Technology Conference
November 17-20, 2008



Agenda

- » SCAMPI Myths
- » Challenges and Solutions for Small Companies
 - » Full Life-Cycle Projects
 - » Making the Timeline
 - » What's a Representative Project
- » Summary
- » Q & A



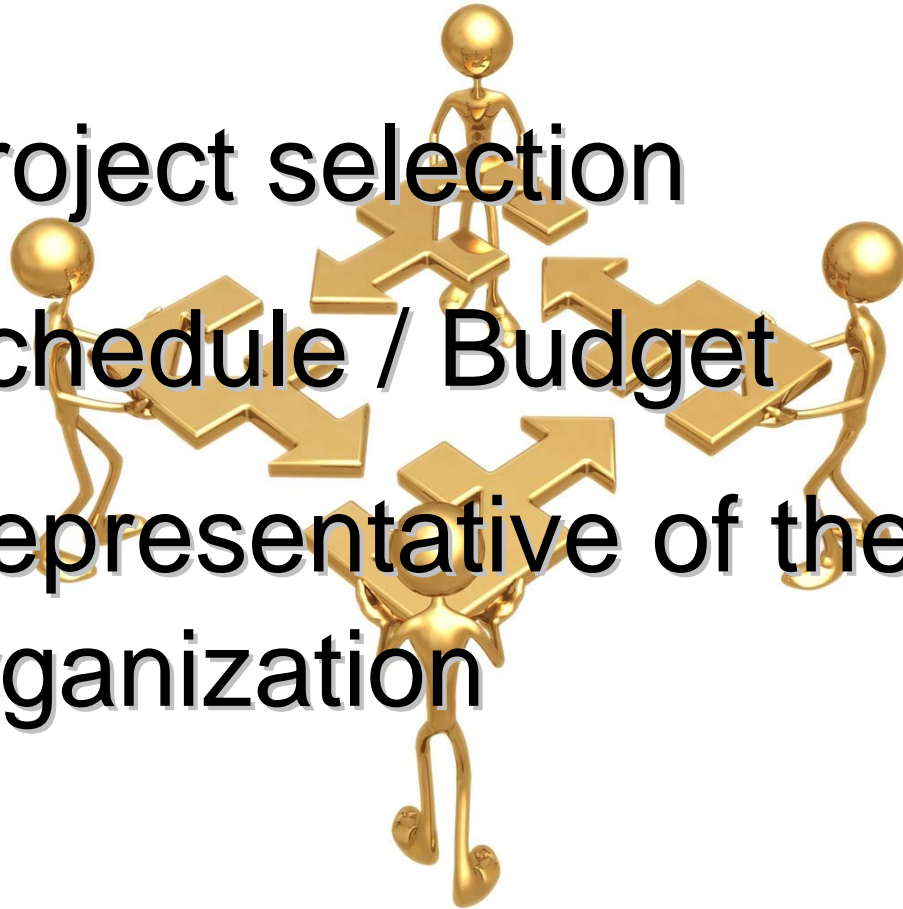
CMMI for Small Organizations

- » Myths: CMMI won't work for small organizations, it is too expensive and time consuming
- » Truth: CMMI will work, it is just important to:
 - » #1 be creative with project selection
 - » #2 plan timelines carefully and prepare for the worst
 - » #3 don't go overboard with project selection—consider use of resources



Small Organization Challenges

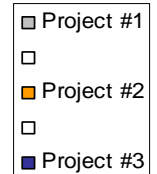
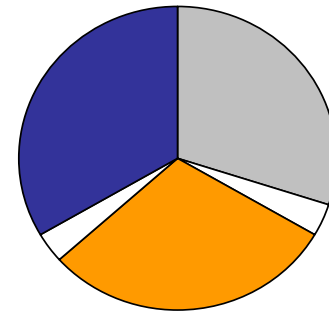
- » Project selection
- » Schedule / Budget
- » Representative of the organization



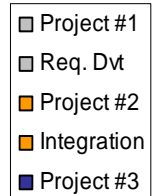
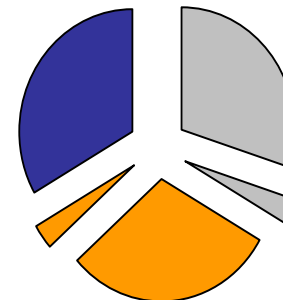
Finding Full Life-Cycle Projects

» *Challenge #1:*
Identifying multiple full
life-cycle projects for
complete process
coverage

Model projects



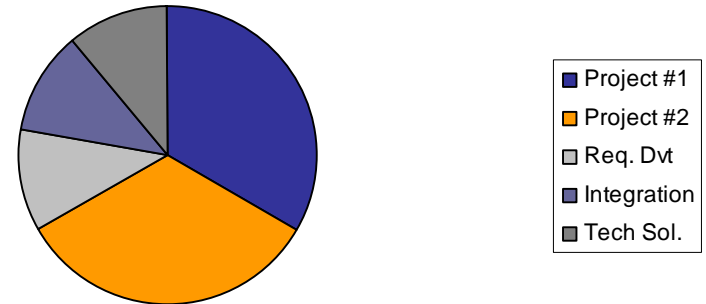
Revised Model Projects



Finding Full Life-Cycle Projects

» *Example:* Team had identified two complete full life-cycle projects, but there were some missing phases

Creative Project Selection



Making the Schedule

» *Challenge #2: Schedule / Budget*

» Gap Analysis

» Mapping Practice Implementation Indicators

» Project selection

: Is the project far enough along

: Contingencies

» Resources



Making the Schedule

» *Examples:*

- » Project put on hold, scrambled to get another project far enough along to complete for appraisal
- » Appraiser availability cuts into timeline

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|-------------------------------|--|---|--|--|--|--|--|--|--|--|--|--|--|
| Process Def./Implementation | | | | | | | | | | | | | |
| Informal Gap Analysis | | X | | | | | | | | | | | |
| Metrics Definition | | | | | | | | | | | | | |
| Tool Implementation | | | | | | | | | | | | | |
| Organizational Mapping | | | | | | | | | | | | | |
| Gap Analysis | | | | | | | | | | | | | |
| Project Mapping | | | | | | | | | | | | | |
| Optimization | | | | | | | | | | | | | |
| Readiness Review | | | | | | | | | | | | | |
| SCAMPI Appraiser Availability | | | | | | | | | | | | | |



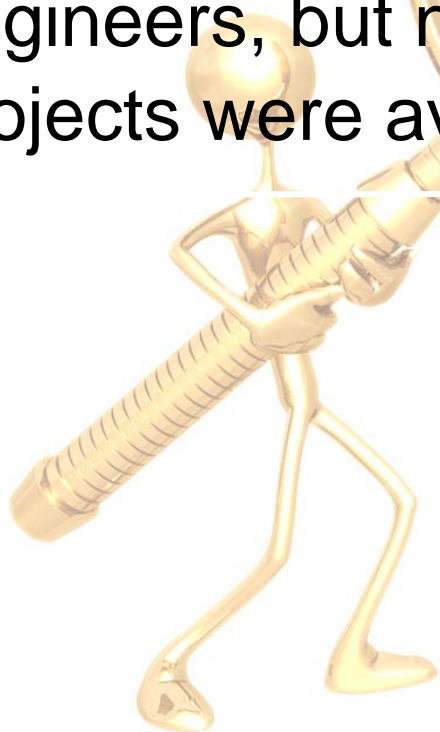
Representative Projects

- » *Challenge #3:* Projects must be representative of organization



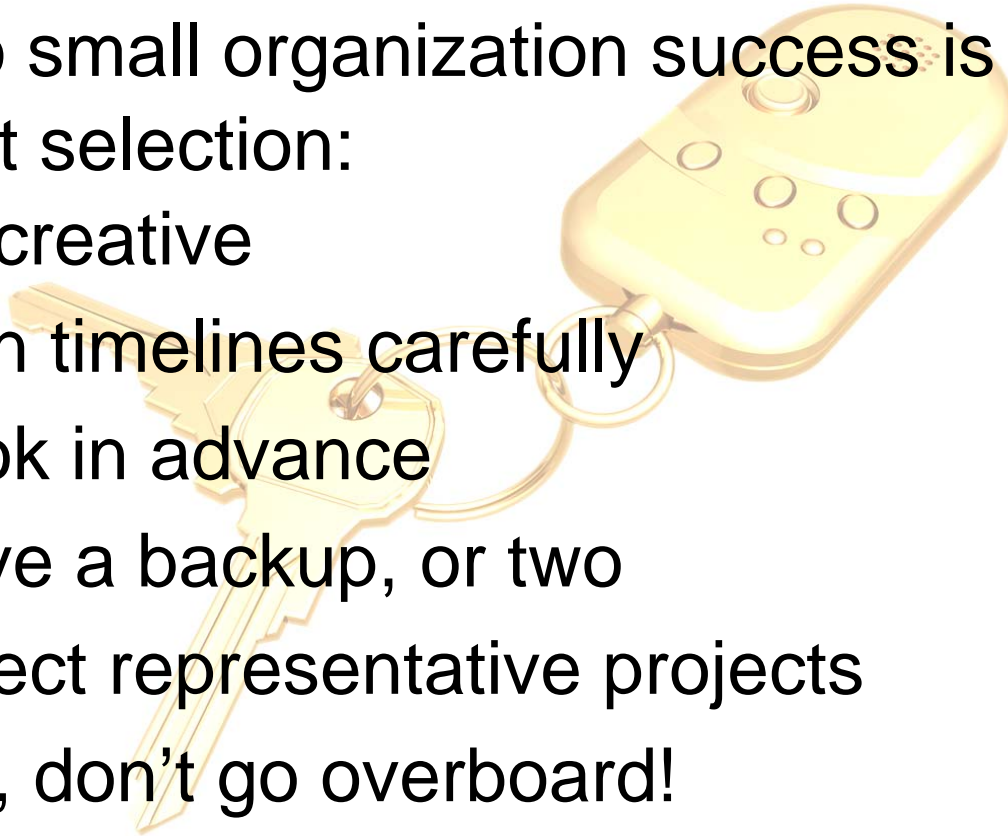
Representative Projects

- » *Example:* Most of an organization's projects include verification and have more than 10 engineers, but no comparable full life-cycle projects were available



Summary

- » Key to small organization success is careful project selection:
 - » Be creative
 - » Plan timelines carefully
 - » Book in advance
 - » Have a backup, or two
 - » Select representative projects
 - » But, don't go overboard!



Questions?



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