

# Which representation should I use?

## Use the Staged representation if

- ☑ Your company is familiar with the SW-CMM and wants to continue using a staged representation
- ☑ You want to do the minimum amount of process improvement to achieve an organizational maturity level

## Use the Continuous representation if

- ☑ Your company is familiar with the systems engineering capability models and wants to continue using a continuous representation
- ☑ You want to first improve the processes most critically needed for your business
- ☑ You want to have maximum granularity to measure more incremental processes, yet still be able to achieve a maturity level via "equivalent" staging

## Consortium Offerings

Products are available to full members at no additional charge. While a percentage of member dues are allocated to services, some services may require additional charges.

### Introduction to the CMMI

The Consortium is authorized to teach the official SEI course on CMMI. This course is required for CMMI appraisal team members and covers either the continuous representation of the CMMI or the staged representation.

### Understanding the CMMI

This course addresses both the continuous and staged representation. It focuses on application issues as well as the content of the CMMI model. This course also has briefer versions that can be used as an overview or an executive briefing.

### Developing Integrated Multi-Compliant Processes (report)

### Standardizing Process Assets Within the Enterprise (report)

### Practical Interpretations of the CMMI (report)

### Services

The Consortium provides Class A (SCAMPI<sup>SM</sup>), B, and C appraisals of CMMI capability and maturity as well as full and mini appraisals

For more information, contact:

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CMMI website: [www.software.org/MembersOnly/CMMIontheWeb](http://www.software.org/MembersOnly/CMMIontheWeb)

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# Transitioning to CMMI

## The CMMI Roadmap

### Choose This Roadmap to Address These Questions

- ☑ Are you considering transitioning from compliance with the Software CMM (SW-CMM<sup>®</sup>) or a systems engineering capability model to CMMI<sup>®</sup>?
- ☑ Do you have ISO 9000-compliant processes and are you curious about your ability to meet CMMI goals?
- ☑ Are you starting a process improvement effort with CMMI?
- ☑ Do you have a business case for transitioning to CMMI?
- ☑ Do you know what should be in a transition plan for CMMI?

### Follow These Steps to Transition to the CMMI

- ➔ Develop your transition strategy, including business case and expected return on investment
- ➔ Develop a transition plan to accomplish the strategy, including identification of organizational and model scope and timing
- ➔ Identify what changes need to be made in your organizational processes, both as a result of changes in the model and as a result of identified business issues with your current processes
- ➔ Develop a process architecture that structures your process assets, and create the necessary infrastructure for making the changes identified in your strategy and plan
- ➔ Develop new processes, or make changes in existing processes
- ➔ Pilot, roll out, and institutionalize the new or modified processes
- ➔ Appraise the organization to verify successful transition

### Benefits of the Transitioning to CMMI Roadmap

- ➔ Identifies specific actions that need to occur to ensure the transition to CMMI is smooth and complete
- ➔ Identifies how the CMMI differs from SW-CMM and EIA 731
- ➔ Provides a way to develop a business case for CMMI transition
- ➔ Gives specific tips and techniques for frequently asked questions
- ➔ Introduces a generic roadmap for transition to CMMI that you can tailor to your organization

Complete set of Quick Reference Cards: [www.software.org/pub/prodOverviews](http://www.software.org/pub/prodOverviews)

### **CMMI may be right for your organization if...**

- Your systems and software processes need to work better together
- You need to appraise both systems and software processes
- You have DoD customers

### **CMMI may not be right for you if your organization...**

- Lacks commitment
- Lacks strong enough drivers
- Lacks sufficient process improvement funding

### **Use Systems Engineering/Software (SE/SW) if...**

- You want the simplest, minimal model
- You don't have problems with team communication

### **Use Integrated Product and Process Development (IPPD) extension if...**

- You need help improving communications of teams across boundaries
- Your customer requires IPPD

### **Use Supplier Sourcing (SS) extension if...**

- You need guidance on selecting suppliers
- Your customer requires SS

#### **1. Plan**

- Develop strategy
- Assess business case
- Decide
- Refine strategy
- Analyze and mitigate risks
- Develop detailed plan

#### **2. Determine needed changes**

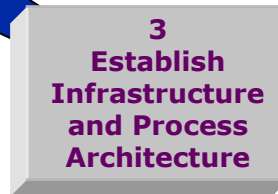
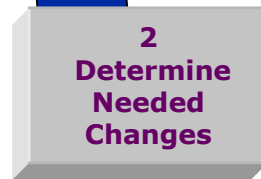
- Learn model
- Trace processes to model
- Review changes from source models
- Determine needed changes

#### **3. Infrastructure and architecture**

- Determine where integration is needed
- Establish architecture
- Establish infrastructure

## **CMMI Roadmap**

[www.software.org/pub/products/cmmiontheweb.asp](http://www.software.org/pub/products/cmmiontheweb.asp)



#### **6. Appraise processes**

- Determine strategy
- Prepare for appraisal
- Finalize plan
- Perform appraisal
- Determine next goals

#### **5. Implement processes**

- Pilot
- Roll out
- Institutionalize

#### **4. Develop integrated processes**

- Establish guidelines and templates
- Assign process action teams (PATs)
- Create process assets

### **Consider including:**

#### **Systems and software groups if...**

- Both are linked in your business
- They need to work together better

#### **Program management if...**

- They perform most of the "project management" practices in the CMMI
- They need to work better with systems and software

#### **Hardware if...**

- There is a hardware group parallel to systems and software groups
- They need to improve their processes
- They need to work better with systems and software

#### **Entire business unit if...**

- Your organizations are constantly reorganizing