We could not produce this report without the support of the organizations and lead appraisers who reported their appraisal results to the SEI®.

Our many thanks for their continuing cooperation with our data collection and analysis efforts.
**Report Documentation Page**

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Standard Form 298 (Rev. 8-98)
Prepared by ANSI Std Z39-18
Outline

Introduction

Current Status

Community Trends

Organizational Trends

Summary And Terms used in this Briefing

How to Report your Appraisal Results to the SEI

This briefing is based solely on the appraisals reported to the SEI. It cannot be used as a source for an exact indicator of all organizations in the world using CMMI models or appraisal methods nor can it be used for certification or verification purposes.

The SEI does not certify appraisal results or organizations. The SEI licenses SEI Partners, authorizes/certifies lead appraisers, team leaders and high maturity lead appraisers to conduct appraisals. Neither the SEI nor any other organization is a “certifying authority” of the results from a SCAMPI appraisal. Therefore requests to the SEI to provide information to be used for this purpose cannot be fulfilled. Information provided by the SEI, such as this briefing, is to demonstrate reported results of the use of CMMI products and services only.

Organizations performing source selection or verification should consider performing an evaluation appraisal. For more information on appraisal methods and for a directory of authorized lead appraisers who can perform them, visit:
http://www.sei.cmu.edu/appraisal-program/
Introduction: Purpose

Characterize the adoption of CMMI® - DEV

Describe results from Standard CMMI Appraisal Method for Process Improvement (SCAMPI℠) v1.1/v1.2 Class A appraisals using Capability Maturity Model® Integration (CMMI-SE/SW/IPPD/SS v1.1 or CMMI - DEV v1.2) *

Encourage continued reporting of results

* Organizations previously appraised against CMMI v1.0 and which have not reappraised against v1.1 or v1.2 are not included in this report

Please visit: http://www.sei.cmu.edu/appraisal-program/profile/index.html for additional information or questions you may have about this briefing before contacting the SEI directly
Introduction - 2: Briefing Contents

This briefing includes three primary sections:

1. Current Status
   - Snapshot of the software community based on the most recent appraisal, since 2002, of reporting organizations

2. Community Trends
   - Global distribution of appraisals
   - Growth in the number of appraisals performed
   - Shifts in the maturity profile over time

3. Organizational Trends
   - Analysis of Process Area (PA) satisfaction
   - Time to move up in maturity based on change in maturity level and time between appraisals
Current Status

SCAMPI v1.1/v1.2 Class A appraisals conducted from the SCAMPI V1.1 April 2002 release through December 2008 and reported to the SEI by January 2009

- 4,134 appraisals
- 3,446 organizations
- 2,544 participating companies
- 564 reappraised organizations
- 21,141 projects
- 71.4% Non-USA organizations

Please refer to: Terms Used in this Report on page 29

Additional charts providing different views and break down of this information will be added to this briefing as more appraisal data is reported to the SEI over time.
Process Maturity Profile
by All Reporting Organizations

Based on most recent appraisal of 3446 organizations
Process Maturity Profile (V1.2 Only) by All Reporting Organizations

Based on most recent appraisal of 1500 organizations
Reporting Organization Categories

- Commercial/In-house: 74.1%
- Contractor for Military/Government: 21.1%
- Military/Government Agency: 4.8%

Based on 3446 organizations reporting an organization category
Process Maturity Profile by Reporting Organization Categories

% Of Organizations Within Category

- Commercial/In-house = 2525
- Contractor for Military/Government = 718
- Military/Government Agency = 163

Based on most recent appraisal of 3406 organizations reporting an organization category
Organization Type
Based on Primary Standard Industrial Classification (SIC) Code

Based on 2652 organizations reporting SIC code. For more information visit: http://www.osha.gov/oshstats/sicser.html
Organization Size
Based on the total number of employees within the area of the organization that was appraised

- 1 to 100: 53.5%
- 101 to 200: 19.6%
- 201 to 300: 8.5%
- 301 to 500: 6.9%
- 501 to 1000: 6.0%
- 1001 to 2000: 3.3%
- 2000+: 2.1%
- 25 or fewer: 14.1%
- 26 to 50: 18.3%
- 51 to 75: 13.0%
- 76 to 100: 8.2%

Based on 3407 organizations reporting size data
Maturity Profile by Organization Size

Based on the total number of employees within the area of the organization that was appraised

Based on 3407 organizations reporting size data
USA and Non-USA Reporting Organization Categories

- **Commercial/In-house**
  - USA: 100% = 979
  - Non-USA: 100% = 2427
  - Total: 2207

- **Contractor for Military/Government**
  - USA: 100% = 979
  - Non-USA: 100% = 2427
  - Total: 555

- **Military/Government Agency**
  - USA: 100% = 979
  - Non-USA: 100% = 2427
  - Total: 163

Based on 985 USA organizations and 2427 Non-USA organizations reporting an organization category.
Maturity Profile by All Reporting USA and Non-USA Organizations

Based on 985 USA organizations and 2461 Non-USA organizations
Section 2: Community Trends

Appraisals conducted through December 2008 and reported to the SEI

- **67** Countries reported appraisals
  - most of the appraisals are from Asia and North America

- **3081** Appraisals were available on PARS
  - the expired ones were removed and the reappraised were replaced by the newest appraisals

Please refer to: Terms Used in this Report on page 29
Countries where Appraisals have been Performed and Reported to the SEI

Brazil
Denmark
Hungary
Latvia
Netherlands
Portugal
Sri Lanka

Red country name: New additions with this reporting
Number of Appraisals Reported to the SEI by Continent

Based on 4134 appraisals
### Number of Appraisals and Maturity Levels Reported to the SEI by Country

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Number of SCAMPI A Appraisals
Reported to SEI by Year

Based on 4134 appraisals
Trends in the Community Maturity Profile

Based on a cumulative view of the most recent appraisals of organizations up through the year indicated.
Section 3: Organizational Trends

Appraisals conducted through December 2008 and reported to the SEI

- 1289 Process Area (PA) profiles
  - satisfaction of PAs by maturity level for organizations appraised at levels 1 and 2

- 564 reappraised organizations
  - accounting for 1,252 appraisals
  - although some organizations conducted multiple reappraisals, only the first and latest appraisals were used in creating the charts on pages 25

Please refer to: Terms Used in this Report on page 29
Process Area Profiles - 1
Organizations Appraised at Maturity Level 1

Based on 72 appraisals reporting a maturity level 1 rating
Process Area Profiles - 2
Organizations Appraised at Maturity Level 2

Based on 1289 appraisals reporting a maturity level 2 rating
Maturity Level of First and Latest Appraisal

Based on 564 reappraised organizations using their first and latest appraisal
Time to Move Up

Number of months to move to next maturity level

- 1 to 2
- 2 to 3
- 3 to 4
- 4 to 5

Largest observed value that is not an outlier

- March 2009

Time Period of Initial Appraisal

- 2002 to 2005
- 2006 to Present
- All (2002 to Present)

Level Orgs

- 1 to 2
- 2 to 3
- 3 to 4
- 4 to 5

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Summary - 1

4134 appraisals have been reported to the SEI in 82 months

The Organization Category of “Commercial/In-house” reports most of the appraisals

The highest percentage of “Commercial/In-house” reporting appraisals is from outside the USA

The highest percentage of “Military/Government Agency” reporting appraisals is from the USA

Outside the USA: China, India, Spain, Brazil, Thailand and France reported appraisals are increasing at a rapid rate
Summary - 2

For organizations that began their CMMI-based SCAMPI effort in 2002 or later, the median time to move from:

- maturity level 1 to 2 is 4 months
- maturity level 2 to 3 is 18 months
- maturity level 3 to 4 is 19 months
- maturity level 4 to 5 is 13 months

Note:

Since the September 2008 report, the median time to move from maturity level 2 to 3 increased from 17 months to 18 months, the median time to move from maturity level 3 to 4 increased from 15.5 months to 19 months, and the median time to move from maturity level 4 to 5 increased from 12.5 months to 13 months.
Terms Used in this Report

**Company** - Parent of the appraised entity
A company can be a commercial or non-commercial firm, for-profit or not for-profit business, a research and development unit, a higher education unit, a government agency, or branch of service, etc.

**Organization** - a.k.a. Appraised entity
The organization unit to which the appraisal results apply. An appraised entity can be the entire company, a selected business unit, units supporting a particular product line or service, etc.

**Non-USA** - Appraised entity whose geographic location is not within the United States. The parent of the appraised entity may or may not be based within the United States.

**PARS** - Published Appraisal Results webpage contains CMMI® appraisals published at the request of the appraisal sponsor. The link is: [http://sas.sei.cmu.edu/pars/](http://sas.sei.cmu.edu/pars/)
Report your Appraisal Results to the SEI

The briefing is only possible due to the cooperation of organizations and individuals sending in their appraisal results to the SEI.

In order to provide this information and service in the future, it will depend on this continued cooperation.

Please visit:

http://www.sei.cmu.edu/appraisal-program/profile/index.html

for forms, information, and instructions on how to report appraisals to the SEI.
Contact Information

Please visit:

http://www.sei.cmu.edu/appraisal-program/profile/index.html

and review the information provided before contacting:

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