Carnegie Mellon University
Software Engineering Institute

Process Maturity Profile

CMMI® v1.1
SCAMPI℠ v1.1 Appraisal Results
First Look

September 2003

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.

Software Engineering Measurement and Analysis Initiative

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Outline

Introduction

Current Status

Summary

Terms used in this Briefing

How to Report your Appraisal Results to the SEI

Introduction: Purpose

Characterize the adoption of the CMMI

Provide a first look at the results from:

Standard CMMI Appraisal Method for Process Improvement (SCAMPI v1.1) Class A appraisal method using Capability Maturity Model Integration (CMMI) v1.1 *

Encourage continued reporting of results

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

Please visit: http://www.sei.cmu.edu/sema/profile_about.html for additional information or questions you may have about this briefing before contacting the SEI directly

Current Status

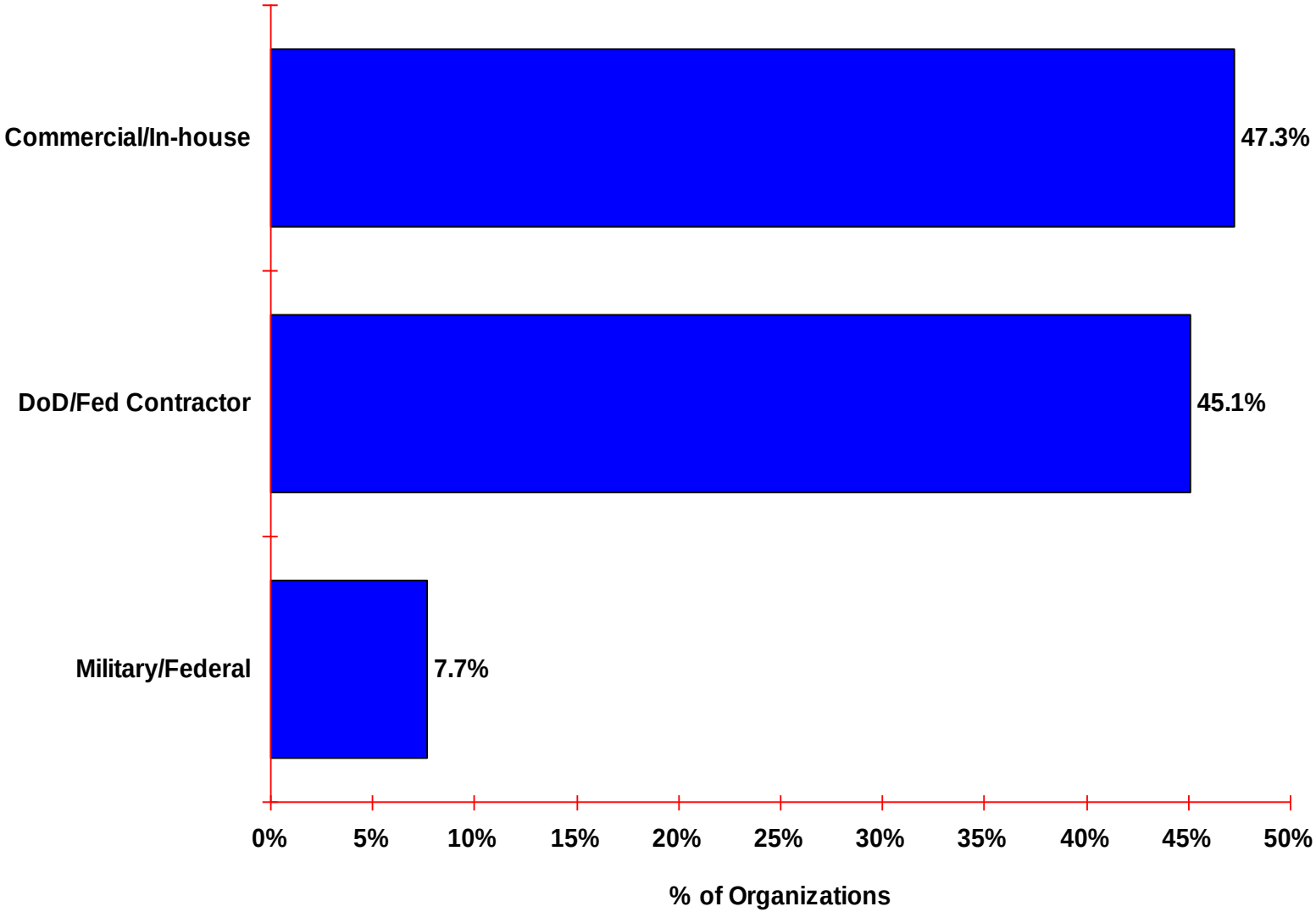
SCAMPI v1.1 appraisals conducted since April 2002 release through June 2003 <u>and</u> reported to the SEI by July 2003

- **100 appraisals**
- **93 organizations**
- **52 participating companies**
- **6 reappraised organizations**
- **357 projects**
- **54% offshore organizations**

Please refer to: Terms Used in this Report on page 20

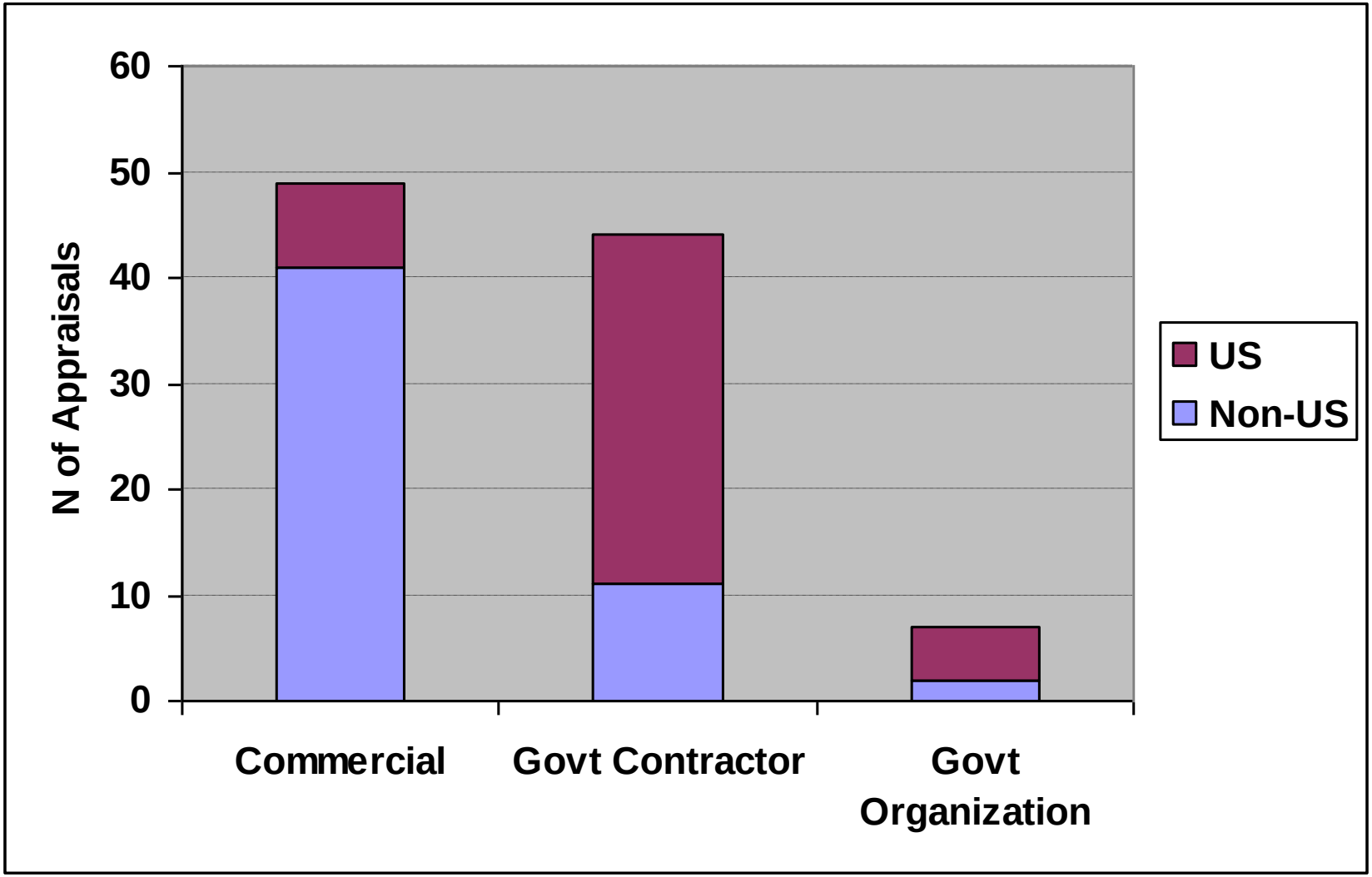
Additional charts providing different views and break down of this information will be added to this briefing as more of these types of appraisals are reported to the SEI over time.

Reporting Organizational Types



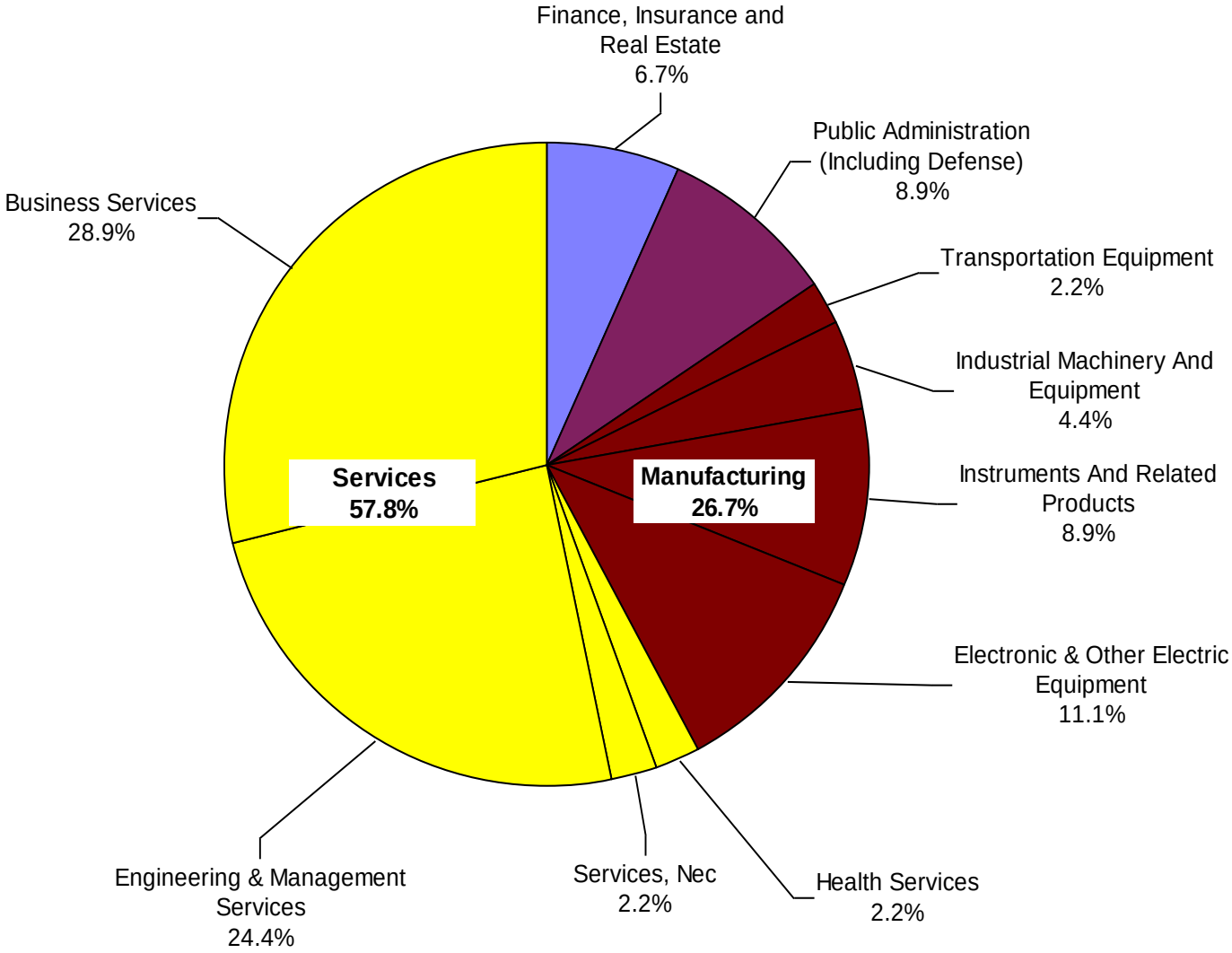
Based on **91** organizations

Organizational Types by Location



Types of Organizations

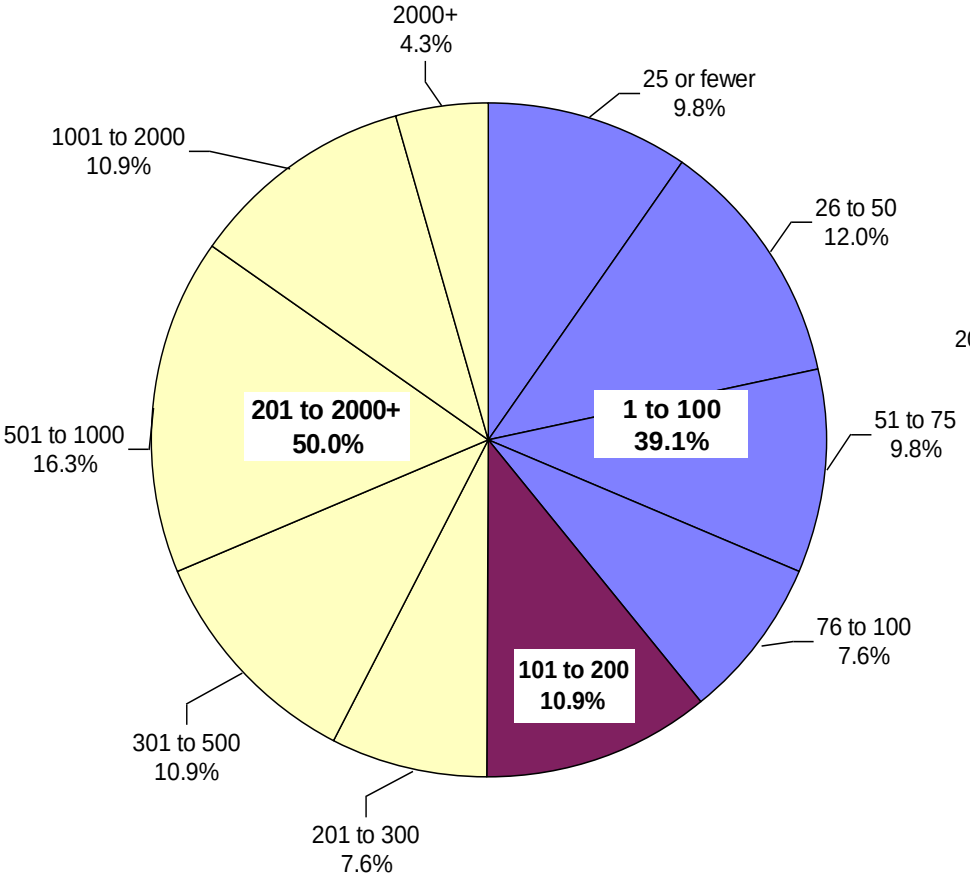
Based on Primary Standard Industrial Classification (SIC) Code



Based on **45** organizations reporting SIC code. For more information visit: http://www.osha.gov/oshstats/sicser.html

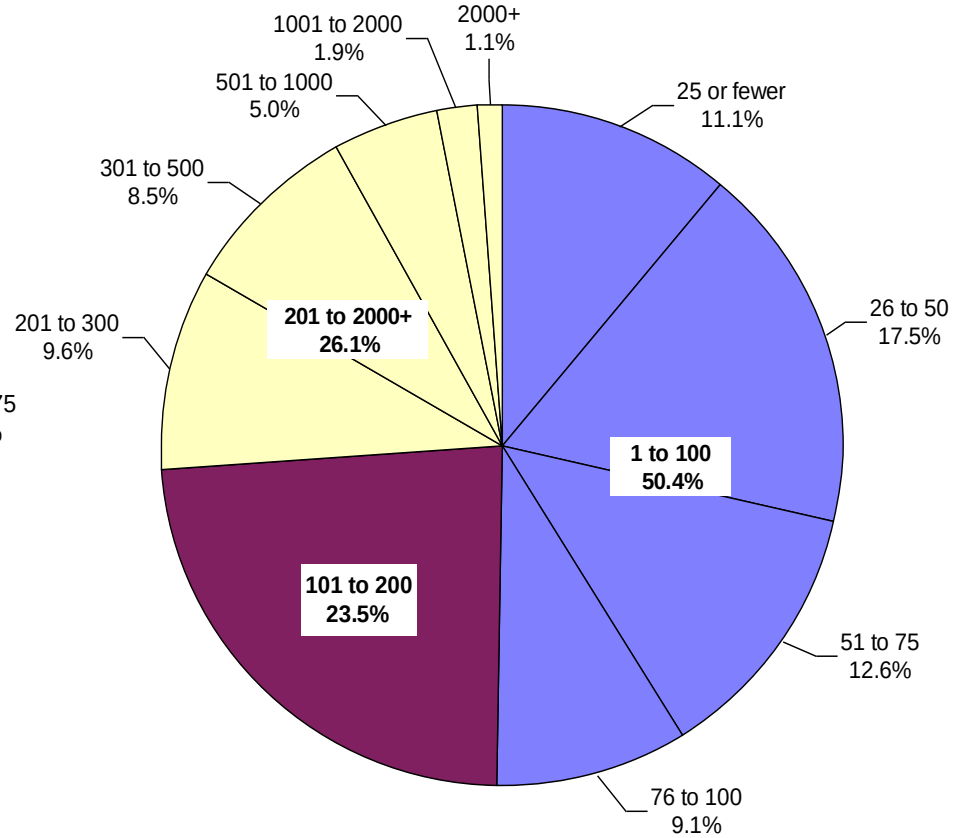
Organization Size

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



CMMI

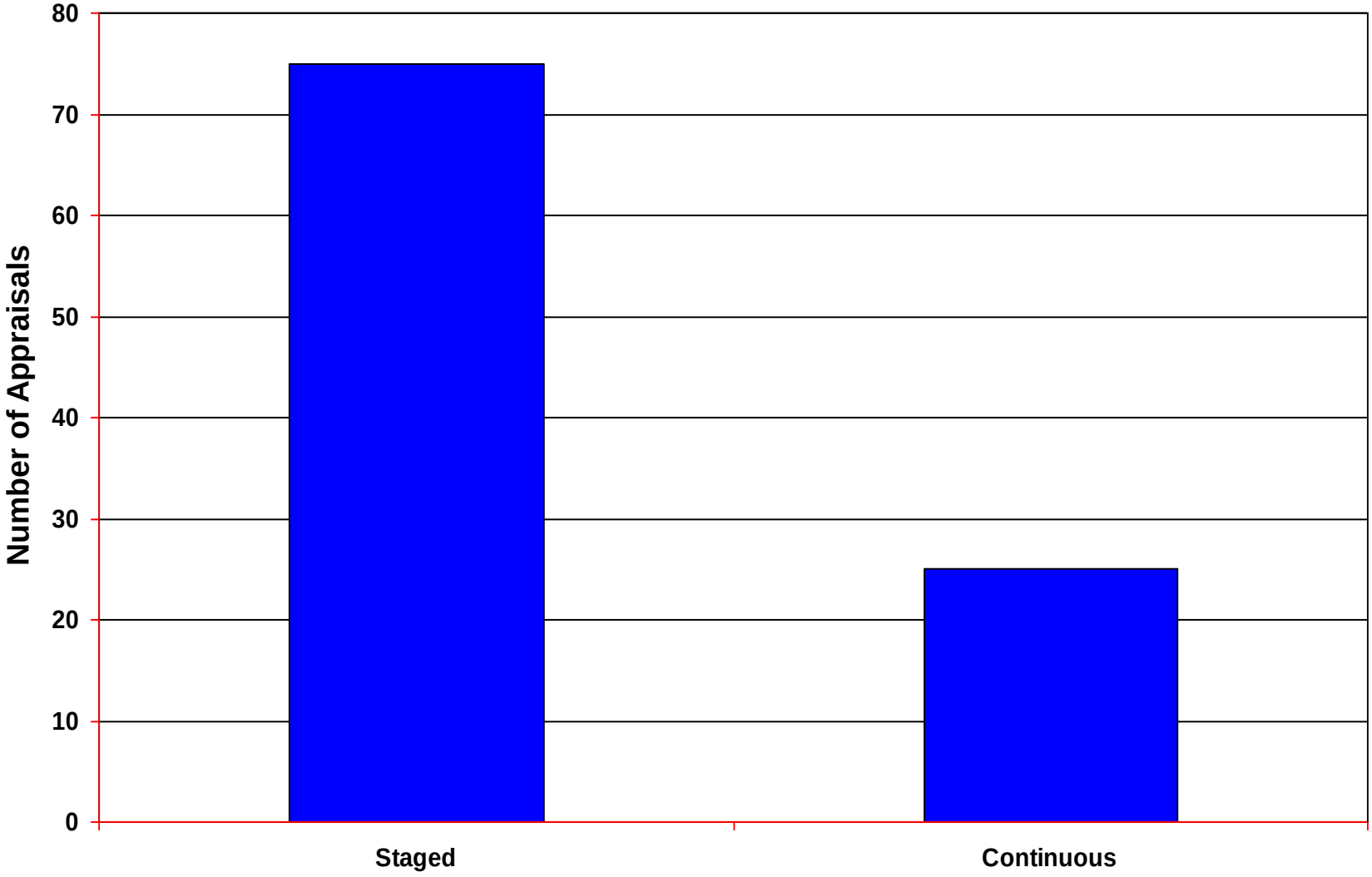
Based on **92** organizations reporting size data



SW-CMM

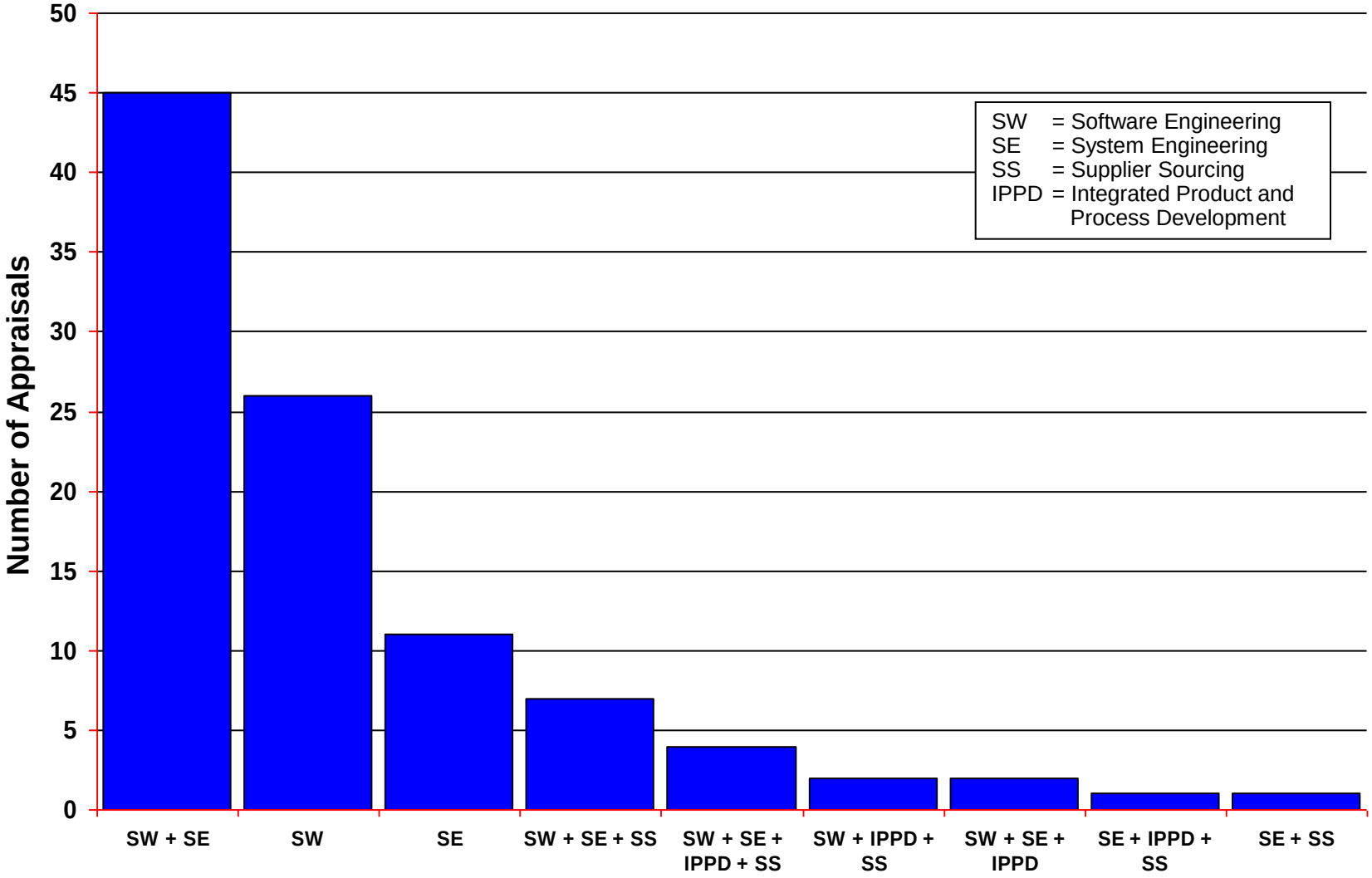
Based on **1,312** organizations reporting size data

Use of Model Representations in Appraisals



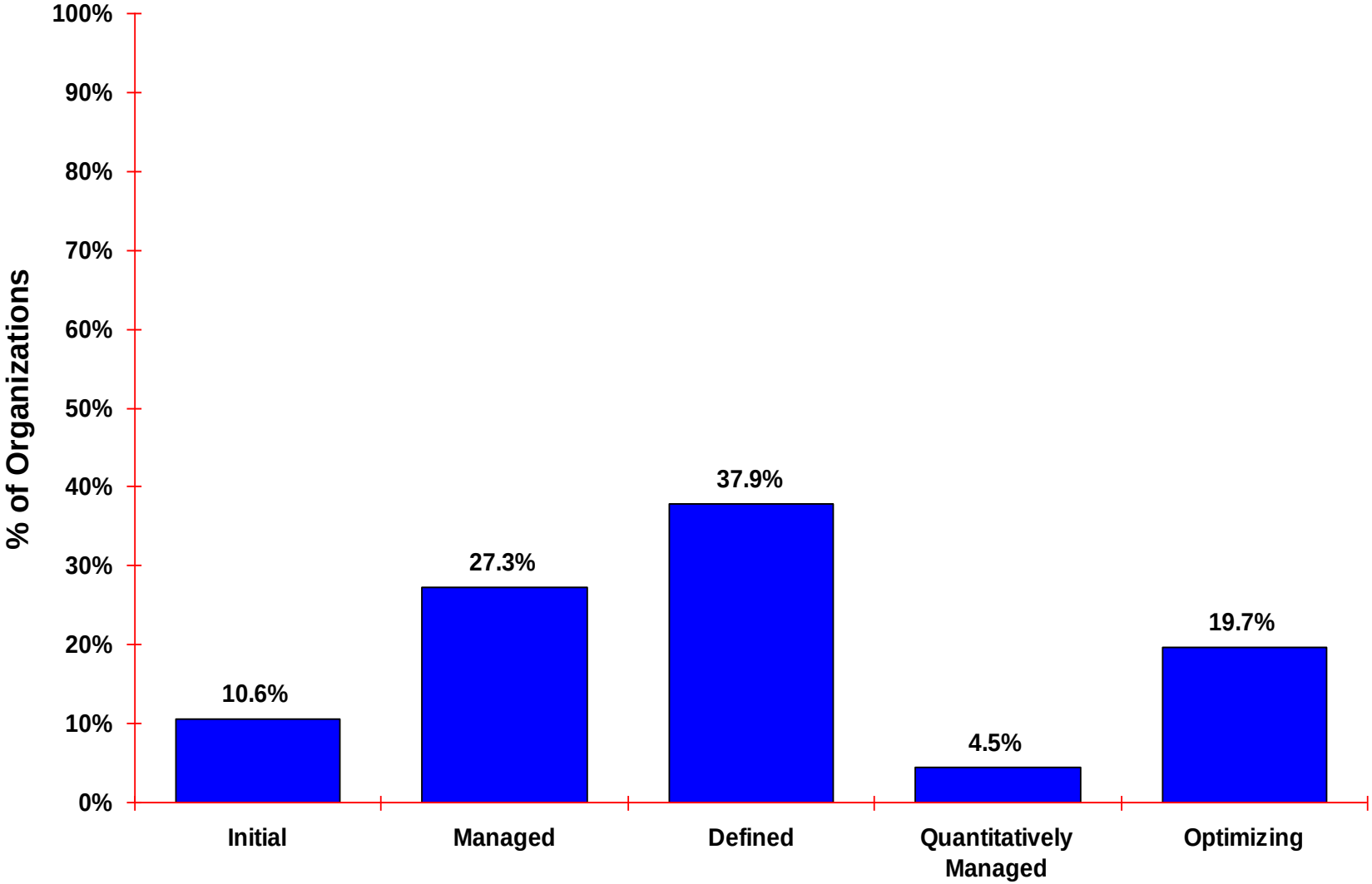
Based on **100** appraisals

Disciplines Selected for Appraisals



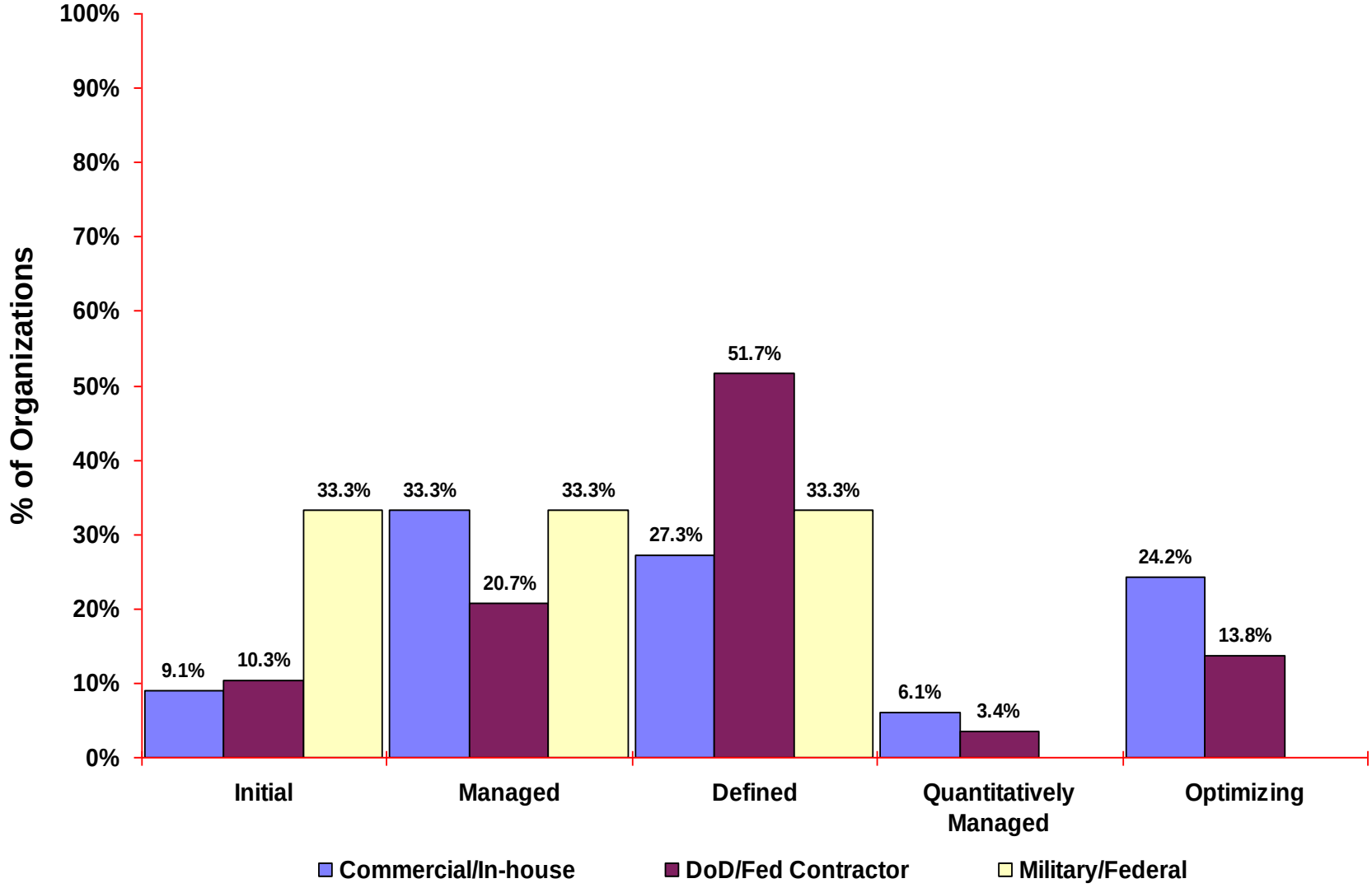
Based on **99** appraisals reporting coverage

Summary Organizational Maturity Profile



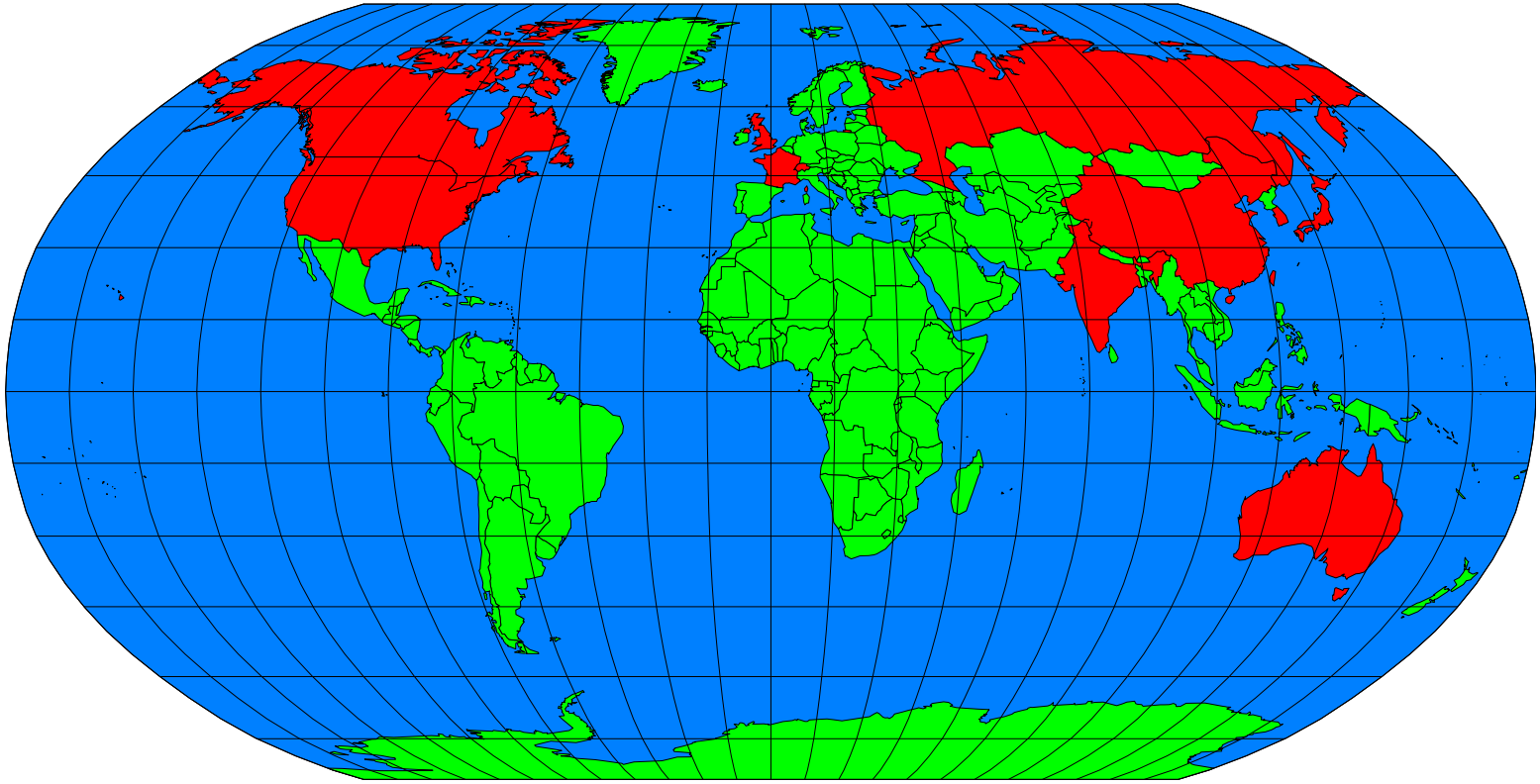
Based on most recent appraisal of **66** organizations reporting a maturity level rating

Maturity Profile by Organizational Type



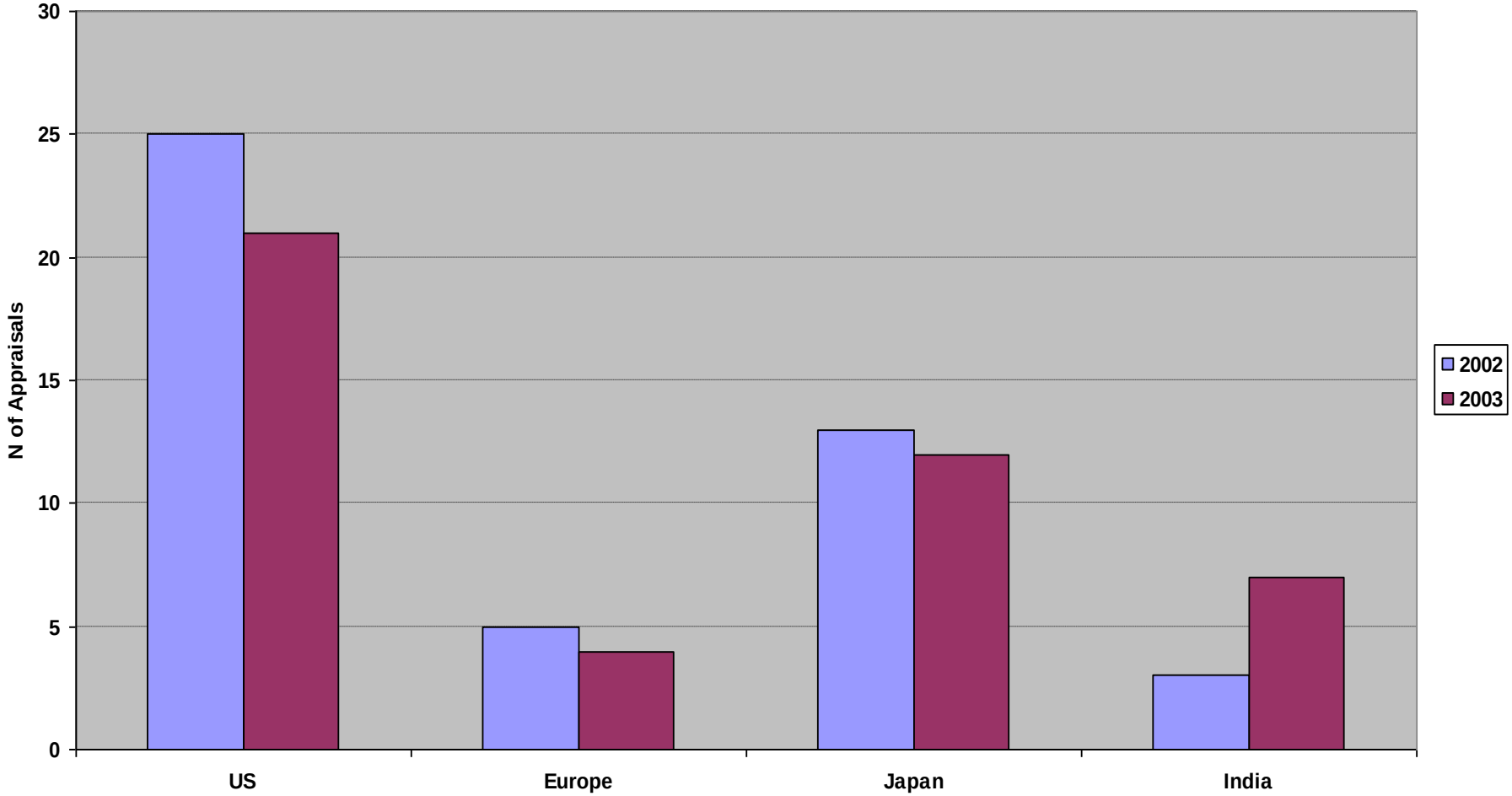
Based on most recent appraisal of **65** organizations reporting organization type and a maturity level rating

Countries where Appraisals have been Performed and Reported to the SEI



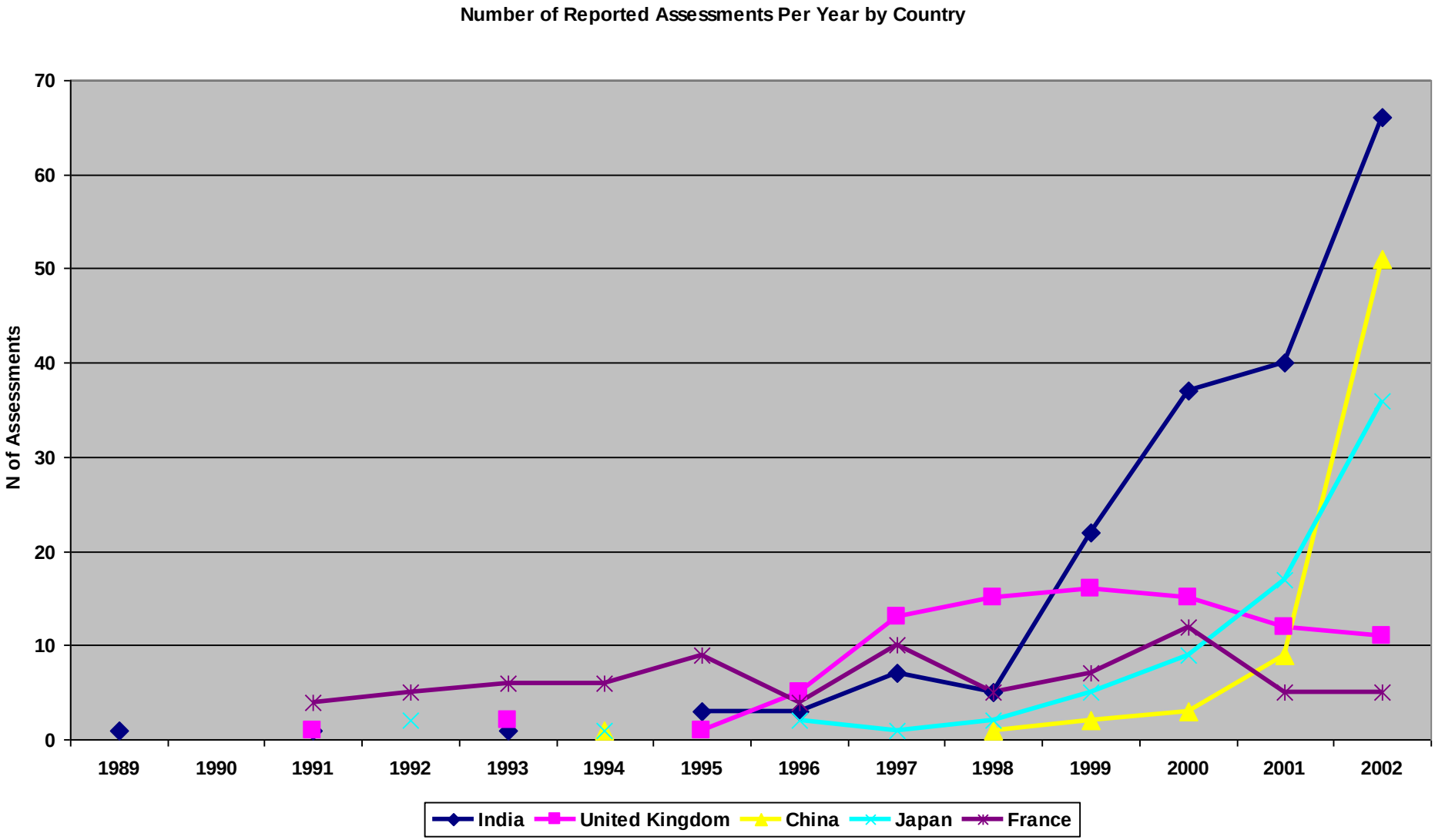
Australia	Canada	China	France	India	Japan
Korea, Republic of	Russia	Switzerland	Taiwan	United Kingdom	United States

CMMI v1.1 Appraisals by Region

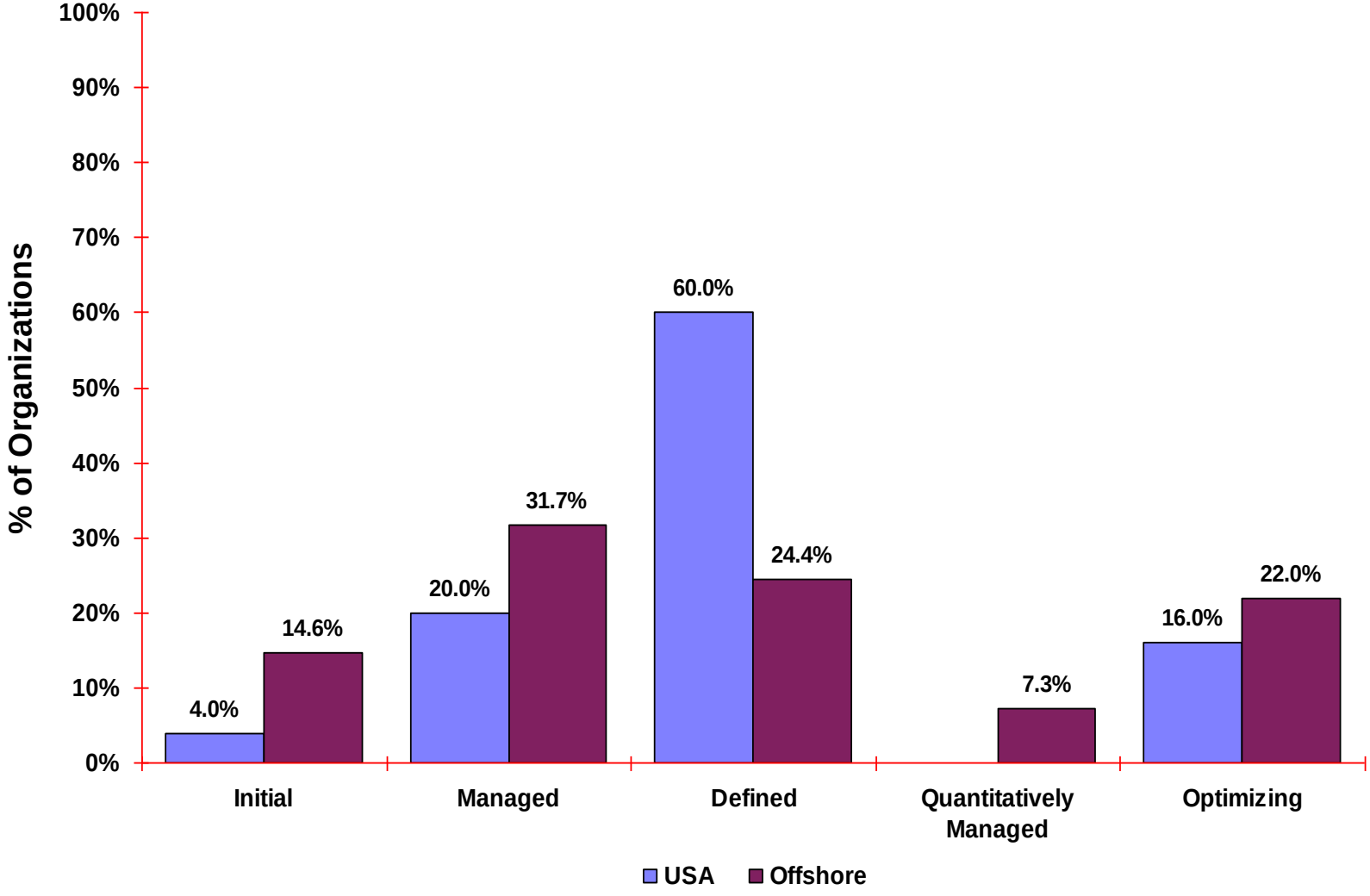


Note: Data reported are through June 2003 and include only SCAMPI v1.1 Class A appraisals against CMMI v1.1.

SW-CMM Assessments Trends



USA and Offshore Summary Organizational Maturity Profiles



Based on **25** U.S. organizations and **41** offshore organizations reporting their maturity level rating

Change in Maturity Level Rating

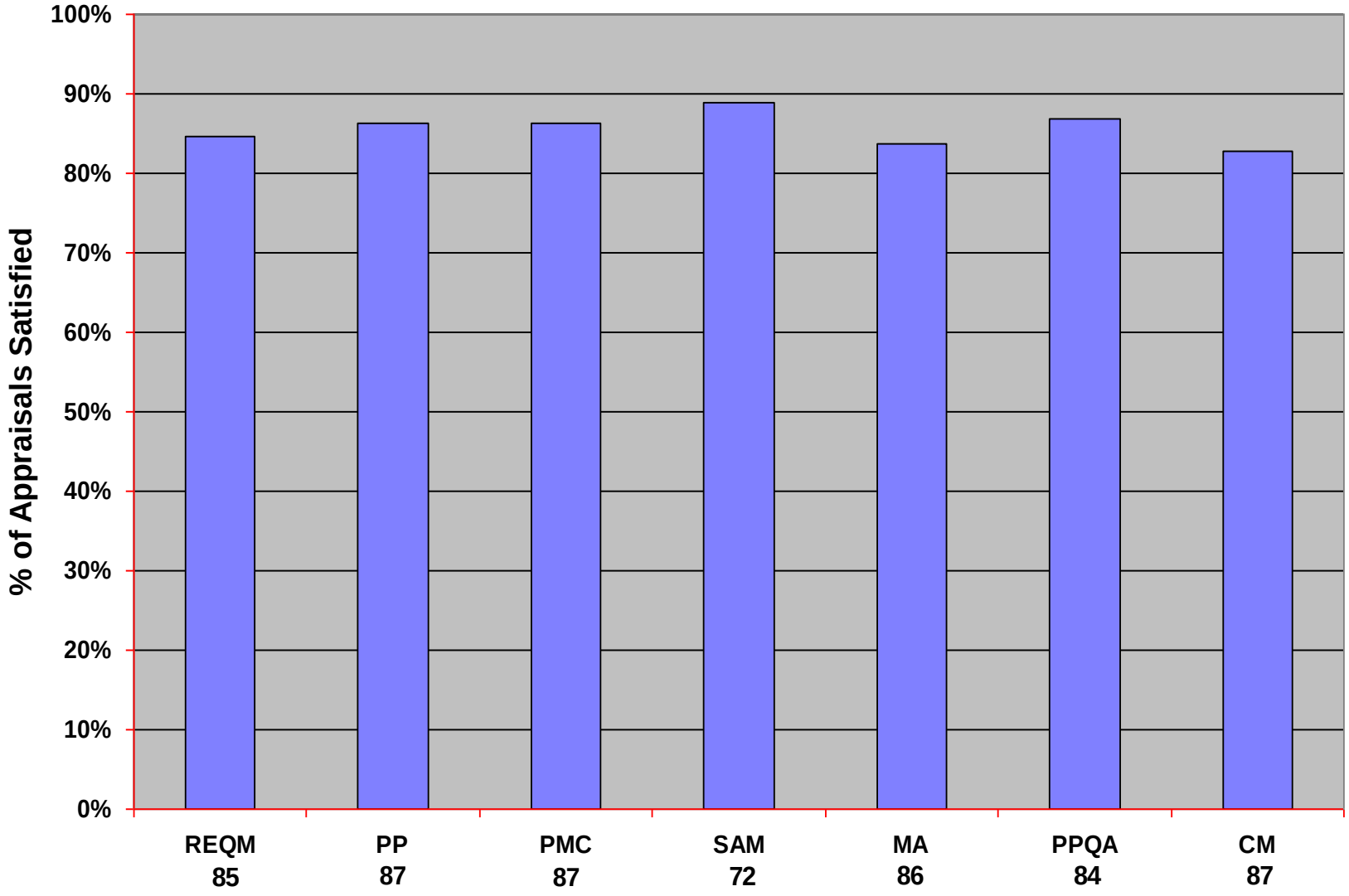
First CMMI Maturity Level

Prior SW-CMM Maturity Level

	1	2	3	4	5
1					
2		1	2		
3		1	4	1	
4					2
5					6

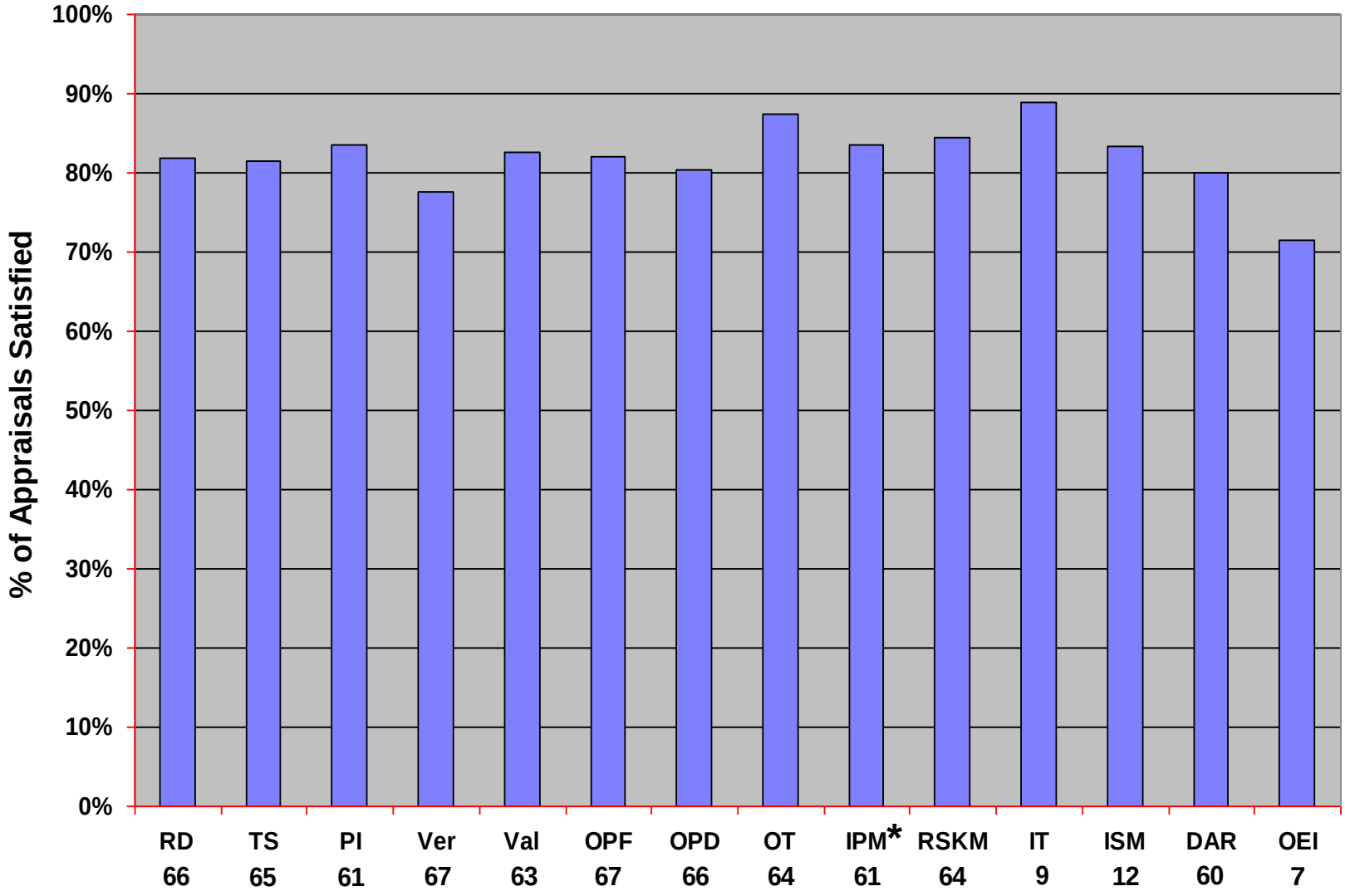
Note: There were also 2 ML 3 and 2 ML 4 SW-CMM organizations that reassessed using the continuous representation.

Process Area Satisfaction – Maturity Level 2



Based on the number of appraisals listed above that rated the process area

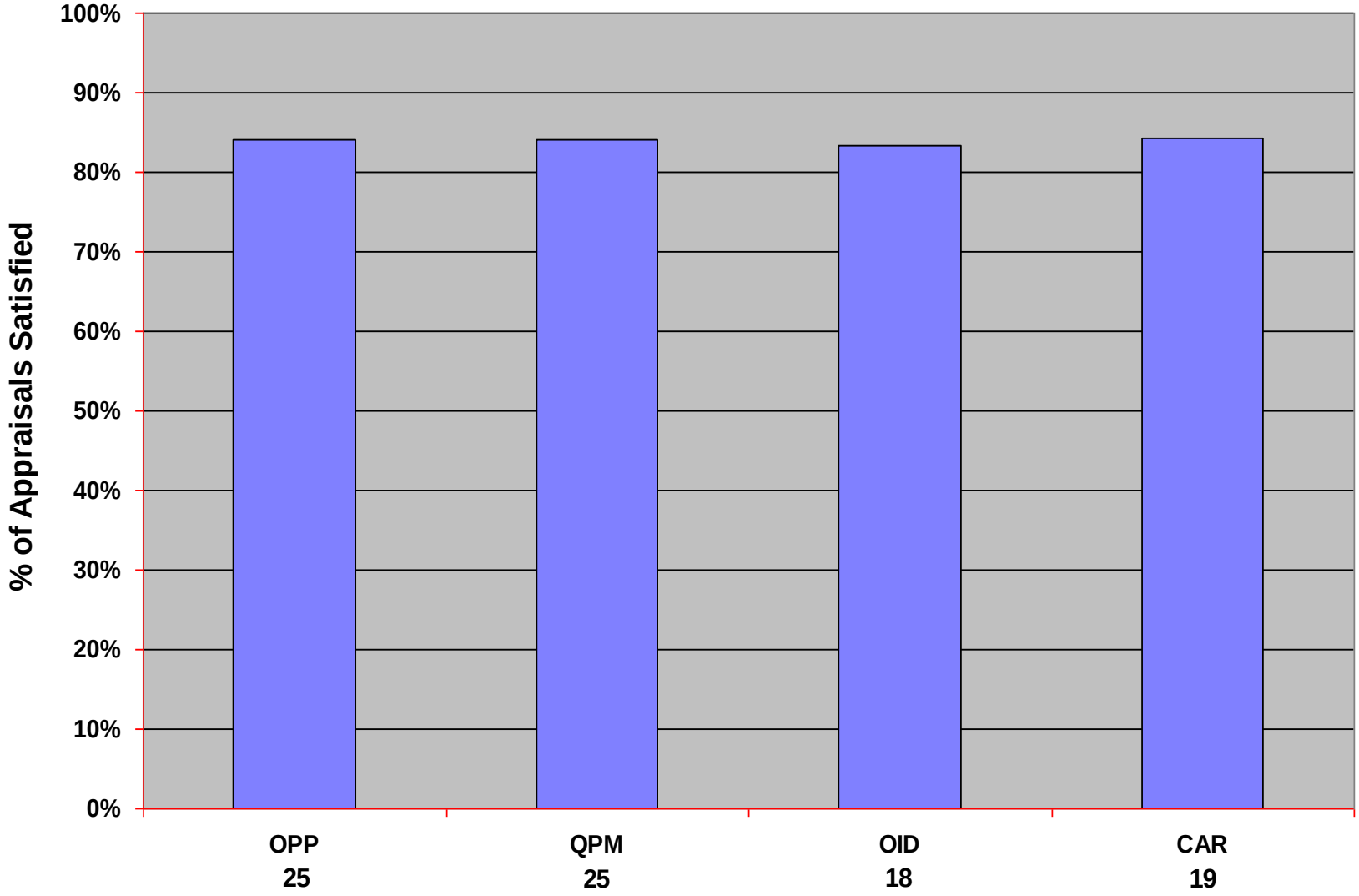
Process Area Satisfaction – Maturity Level 3



Based on the number of appraisals listed above that rated the process area

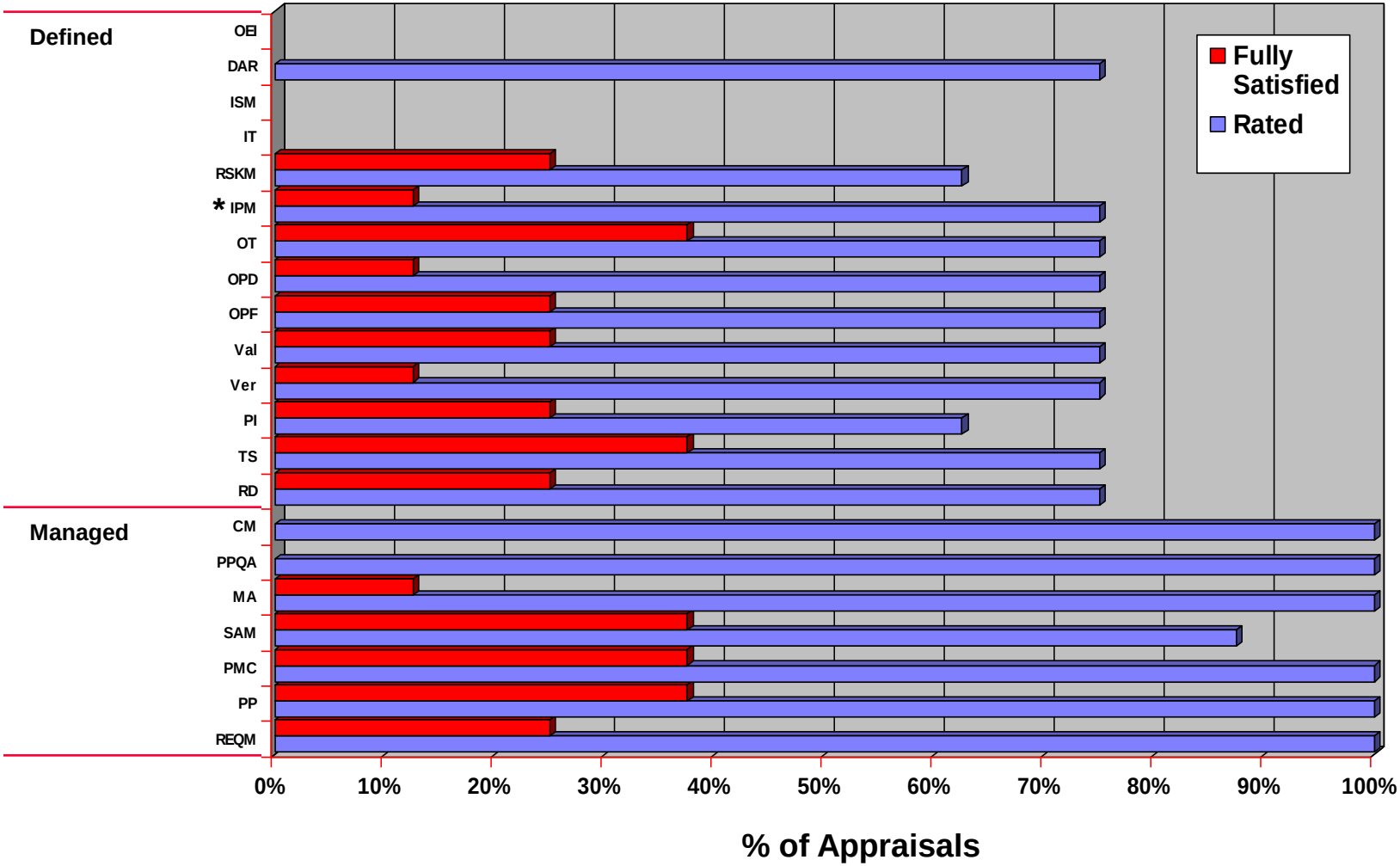
7 of the 61 appraisals rating IPM also examined the IPPD goals.
6 of these 7 appraisals satisfied IPM with the IPPD goals.

Process Area Satisfaction – Maturity Levels 4&5



Based on the number of appraisals listed above that rated the process area

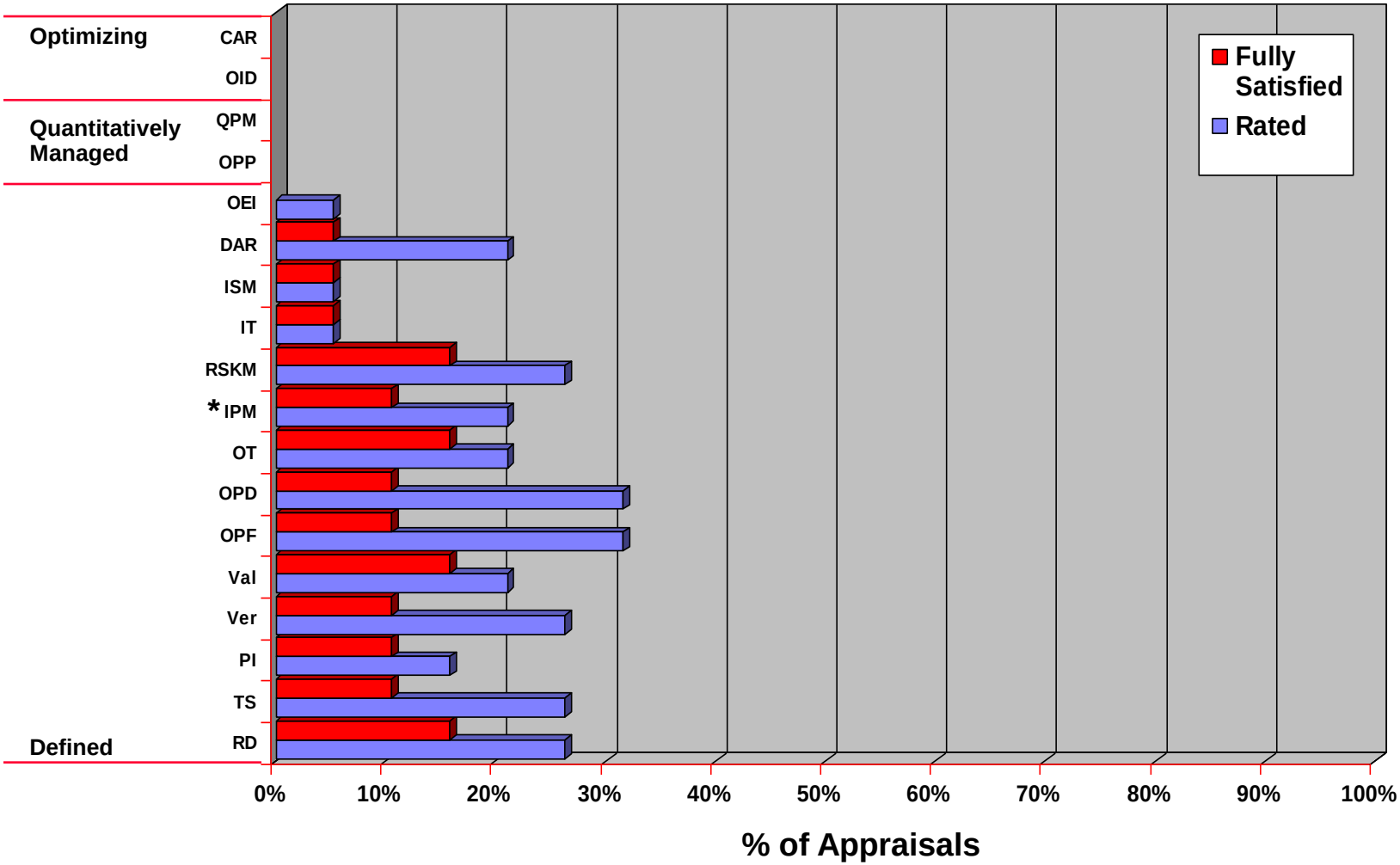
Process Area Profiles - 1
Organizations Appraised at Maturity Level 1



Based on **8** appraisals reporting a maturity level rating

* None of the 8 appraisals selected the IPPD discipline

Process Area Profiles - 2 Organizations Appraised at Maturity Level 2



Based on **19** appraisals reporting a maturity level rating

* 1 of the 19 appraisals rating IPM also examined the IPPD goals. That appraisal satisfied IPM.

Summary

100 appraisals have been reported to the SEI in the 13 months since the April 2002 release of the SCAMPI Class A Version 1.1 appraisal method for CMMI Version 1.1

Relatively even reporting from the Commercial and DoD Contractor communities

Of U.S. organizations, the services and manufacturing industries reported most appraisals

Compared to the early reports of the SW-CMM maturity profile, the early data reflects a relatively more mature CMMI profile

Additional information and charts will be added to this briefing as more appraisals are reported and therefore more data is available to support these breakdowns

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.

Offshore - 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.

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/sema/report.html

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

Contact Information

Please visit:

http://www.sei.cmu.edu/sema/profile_about.html

and review the information provided before contacting:

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