Carnegie Mellon University
Software Engineering Institute

Process Maturity Profile

CMMI® v1.1
SCAMPI^{SM} v1.1 Appraisal Results
2003 Year End Update

March 2004

We could not produce this report without the support of the organizations and lead appraisers who reported their appraisal results to the SEI^{SM}.
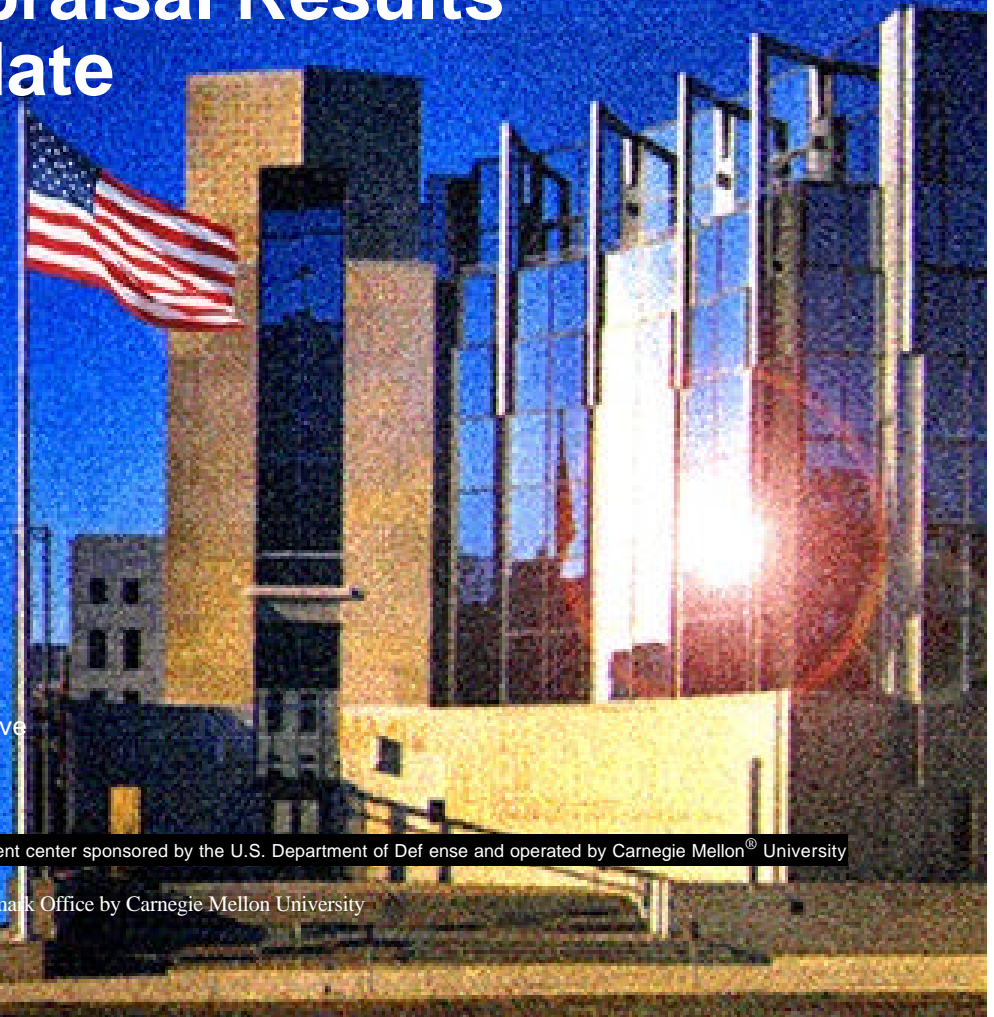
Our many thanks for their continuing cooperation with our data collection and analysis efforts.

Software Engineering Measurement and Analysis Initiative

Outline

Introduction

Current Status

Summary

Terms used in this Briefing

How to Report your Appraisal Results to the SEI

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

The SEI does not certify organizations. The SEI only licenses and authorizes lead appraisers to conduct appraisals. Neither the SEI nor any other organization is a "certifying authority" of the results from an appraisal. Therefore requests to the SEI to provide information to be used for this purpose can not be fulfilled. Information provided by the SEI, such as this briefing, is to demonstrate use of its 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/managing/app.directory.html

Introduction: Purpose

Characterize the adoption of CMMI

Describe results from Standard CMMI Appraisal Method for Process Improvement (SCAMPI), v1.1 Class A appraisals 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

Section 1. Current Status

SCAMPI v1.1 appraisals conducted from April 2002 release of SCAMPI v1.1 through December 2003 <u>and</u> reported to the SEI by January 2004
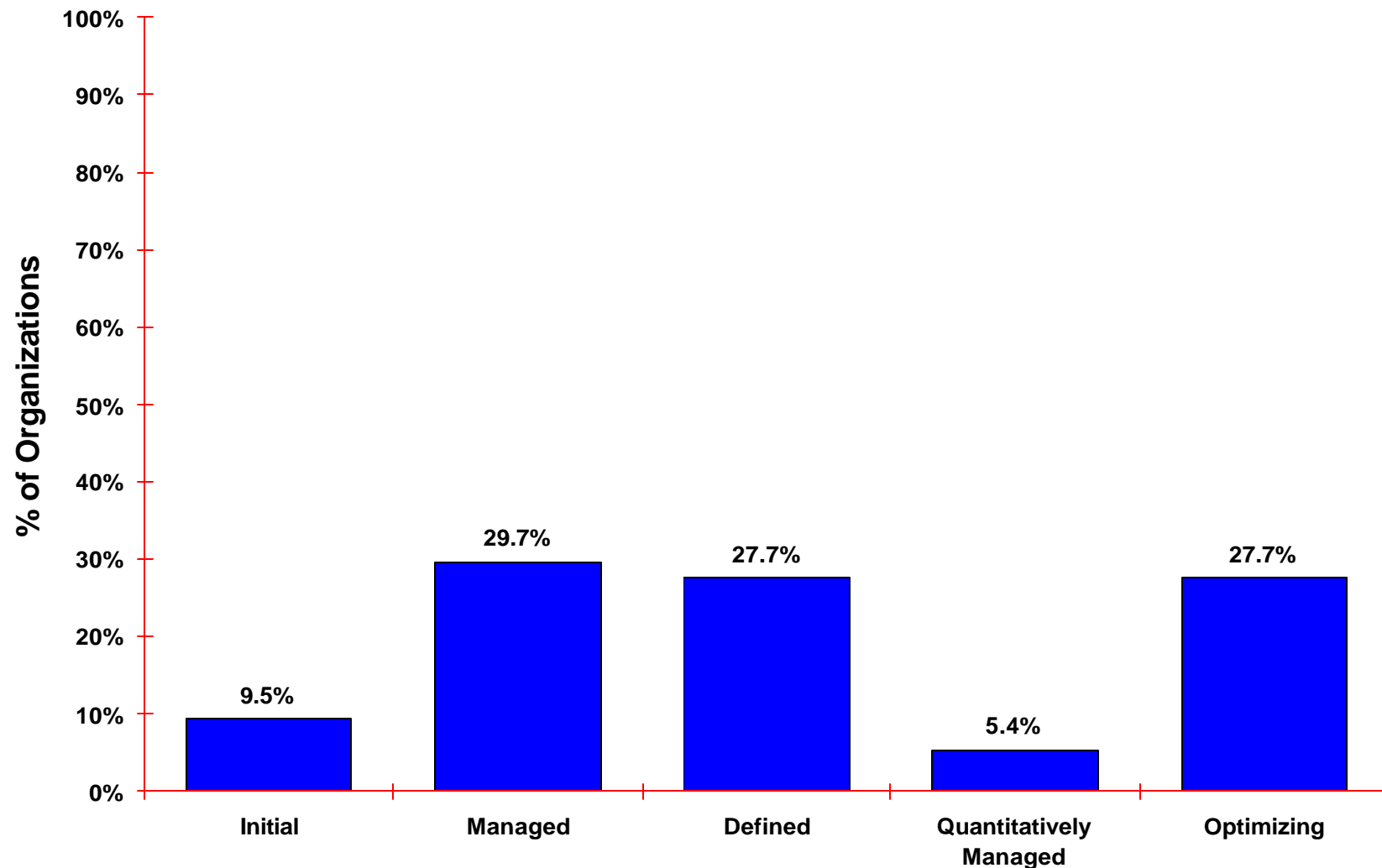
- **223 appraisals**
- **200 organizations**
- **99 participating companies**
- **19 reappraised organizations**
- **848 projects**
- **43% Non-USA organizations**

Please refer to: Terms Used in this Report on page 19

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.
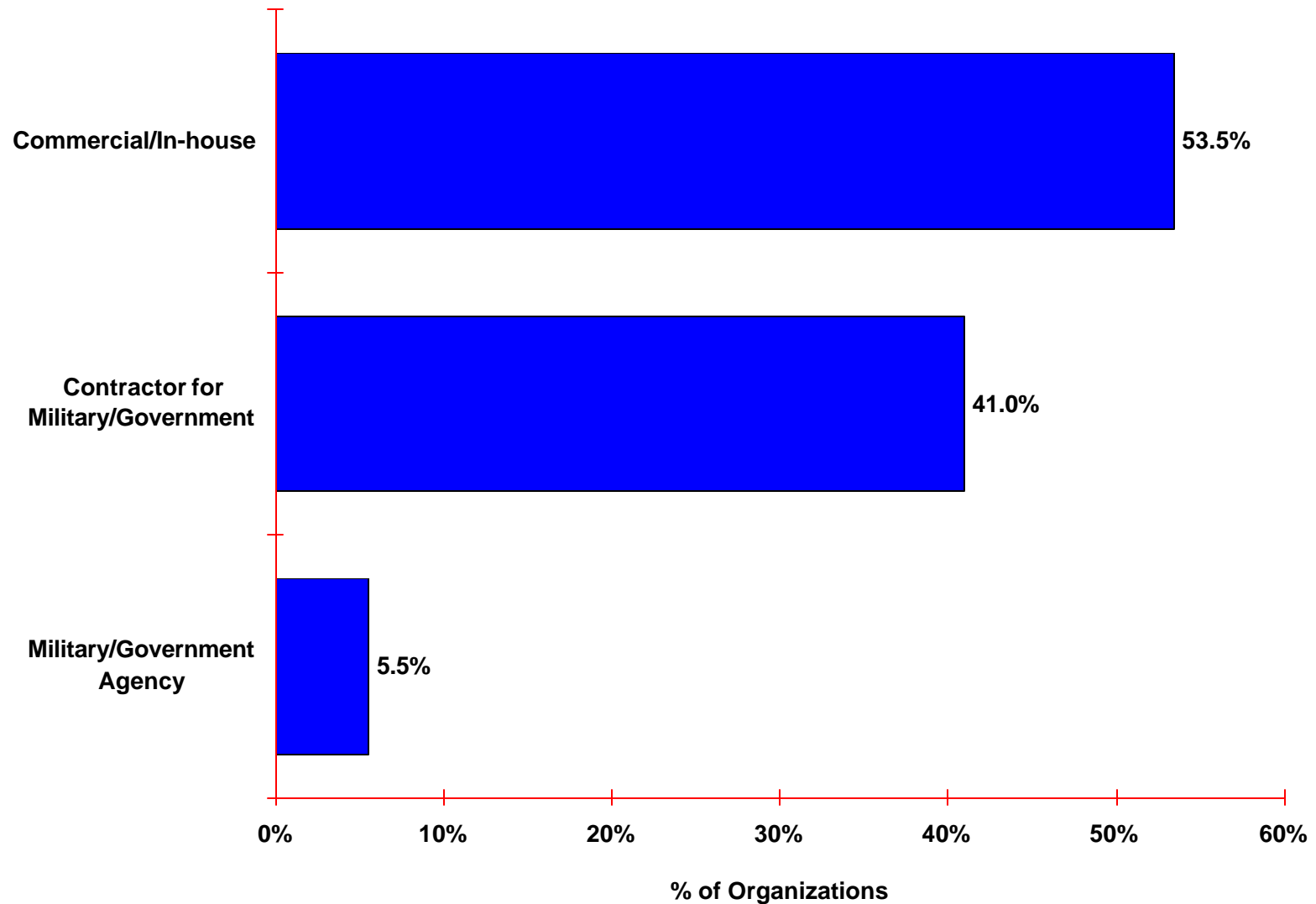
Maturity Profile
by All Reporting Organizations

% of Organizations

Maturity Level	%
Initial	9.5%
Managed	29.7%
Defined	27.7%
Quantitatively Managed	5.4%
Optimizing	27.7%

Based on most recent appraisal of **148** organizations reporting a maturity level rating
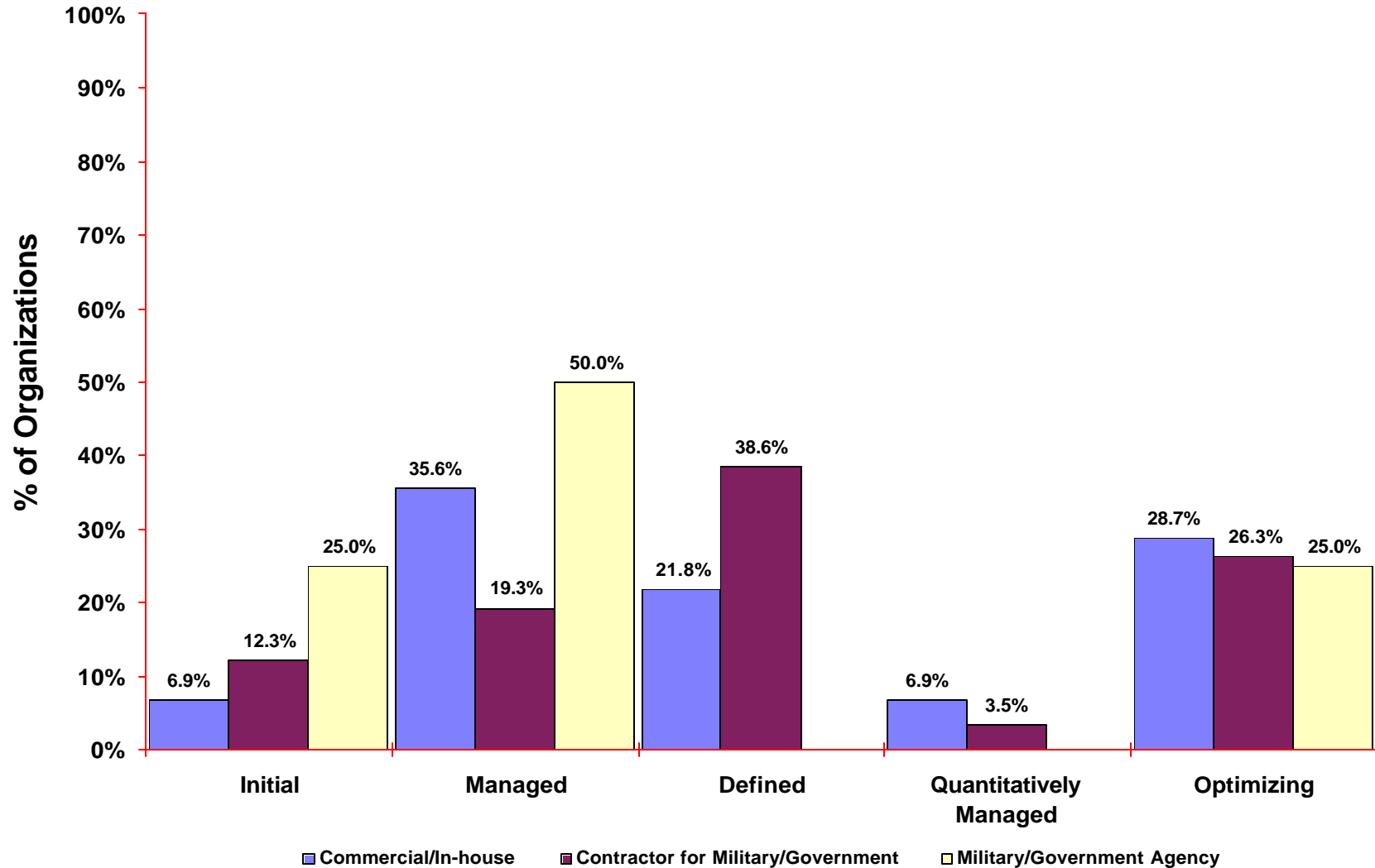
Reporting Organizational Categories

Based on **200** organizations

Maturity Profile
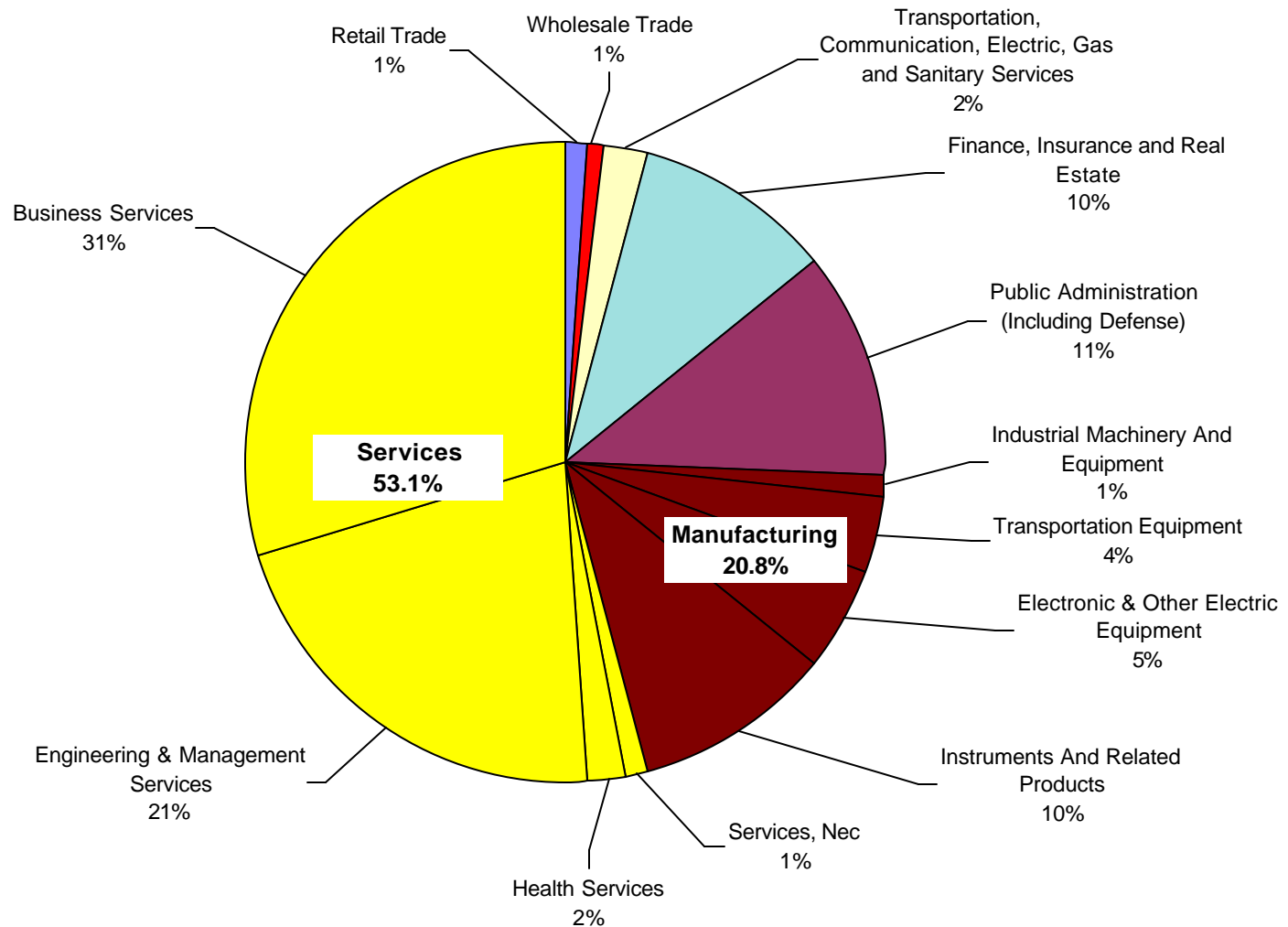# by Reporting Organization Categories

Based on most recent appraisal of **148** organizations reporting organization categories and a maturity level rating

Organization Type
Based on Primary Standard Industrial Classification (SIC) Code

Retail Trade
1%

Wholesale Trade
1%

Transportation,
Communication, Electric, Gas
and Sanitary Services
2%

Finance, Insurance and Real
Estate
10%

Public Administration
(Including Defense)
11%

Industrial Machinery And
Equipment
1%

Transportation Equipment
4%

Electronic & Other Electric
Equipment
5%

Instruments And Related
Products
10%

Business Services
31%

Services
53.1%

Manufacturing
20.8%

Engineering & Management
Services
21%

Health Services
2%

Services, Nec
1%

Based on **98** 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
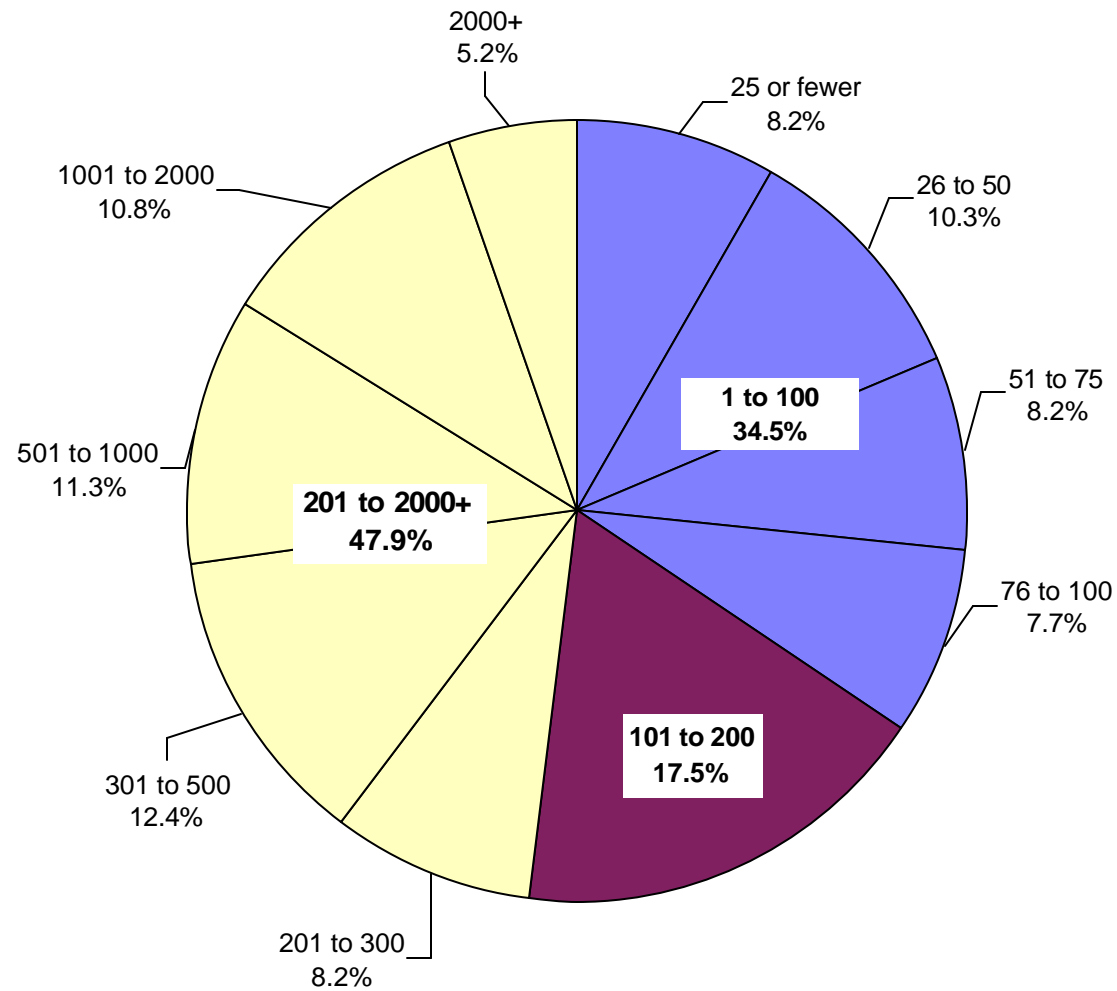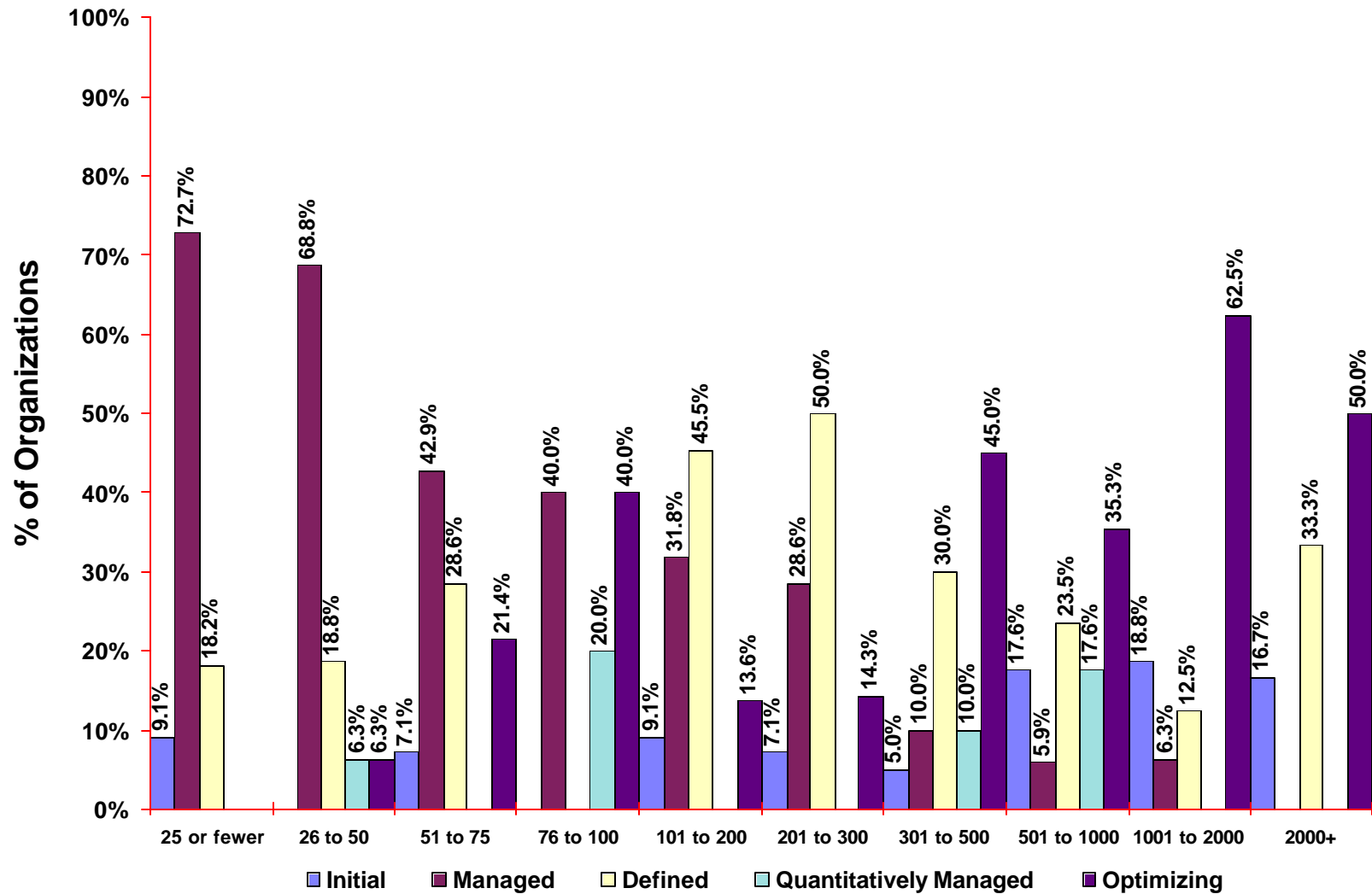

Based on **194** organizations reporting size data
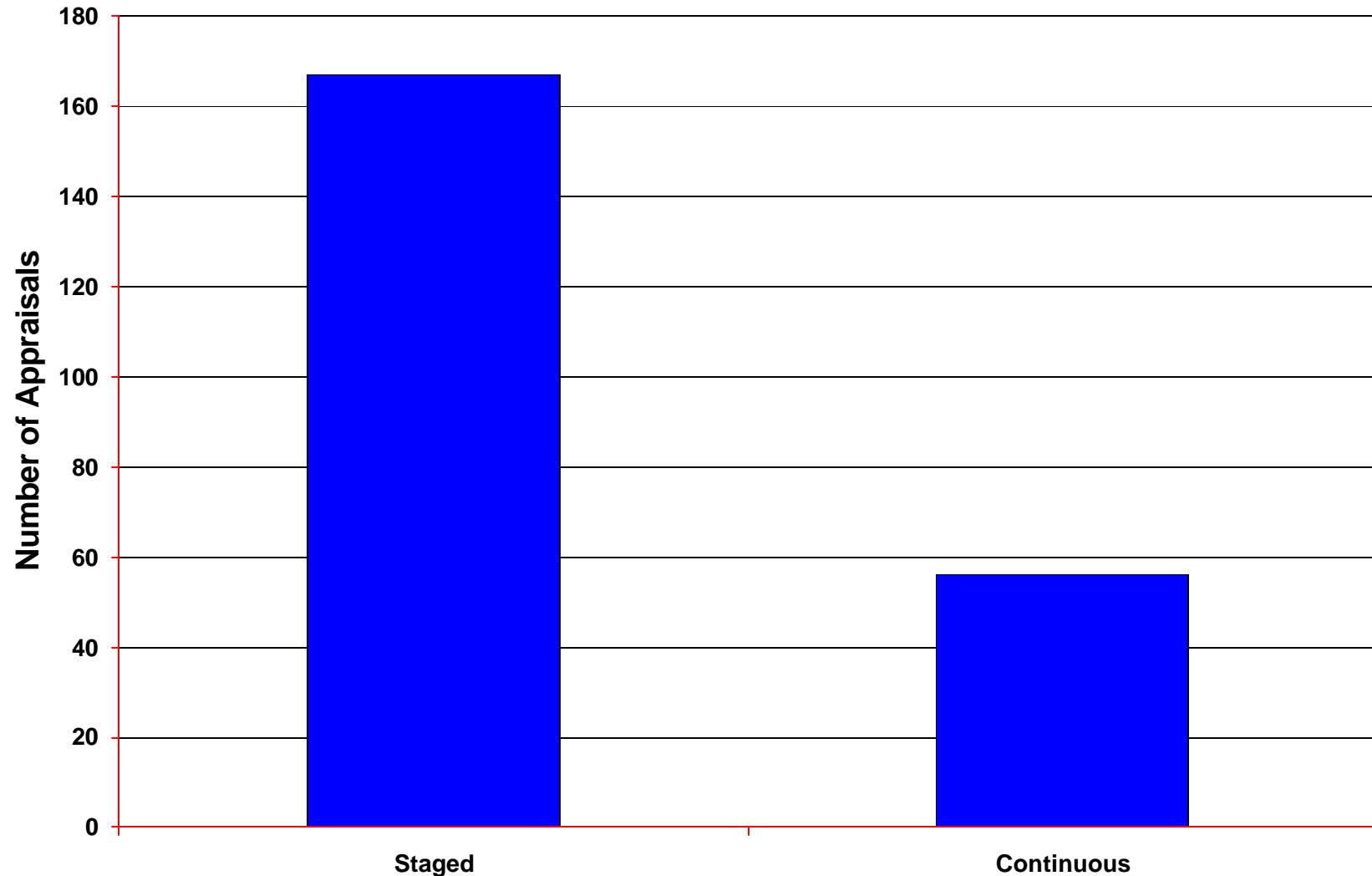
Maturity Profile by Organization Size

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

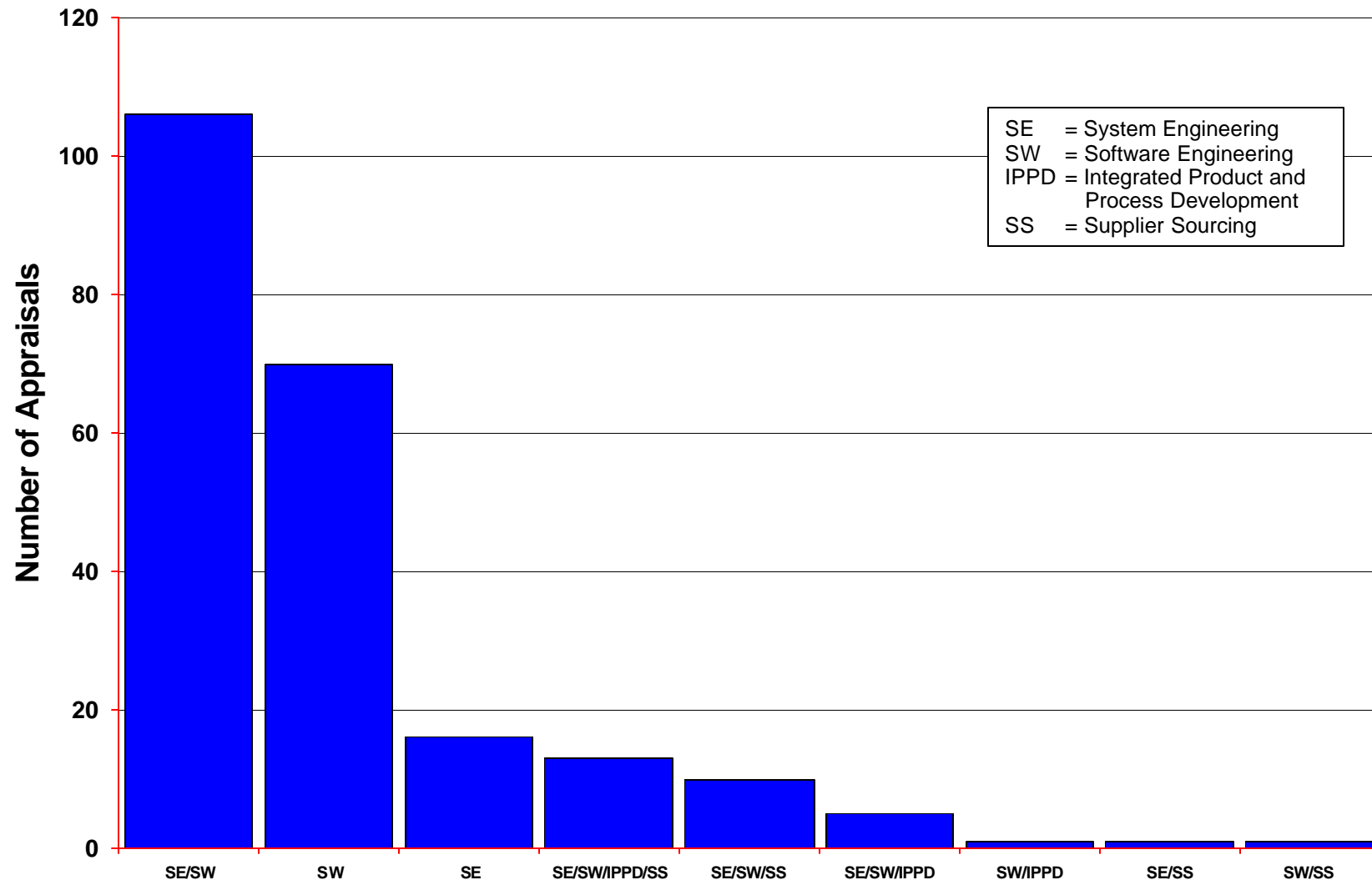Based on **146** organizations reporting size data and maturity level rating

Model Representations Selected for Appraisals

Based on **223** appraisals
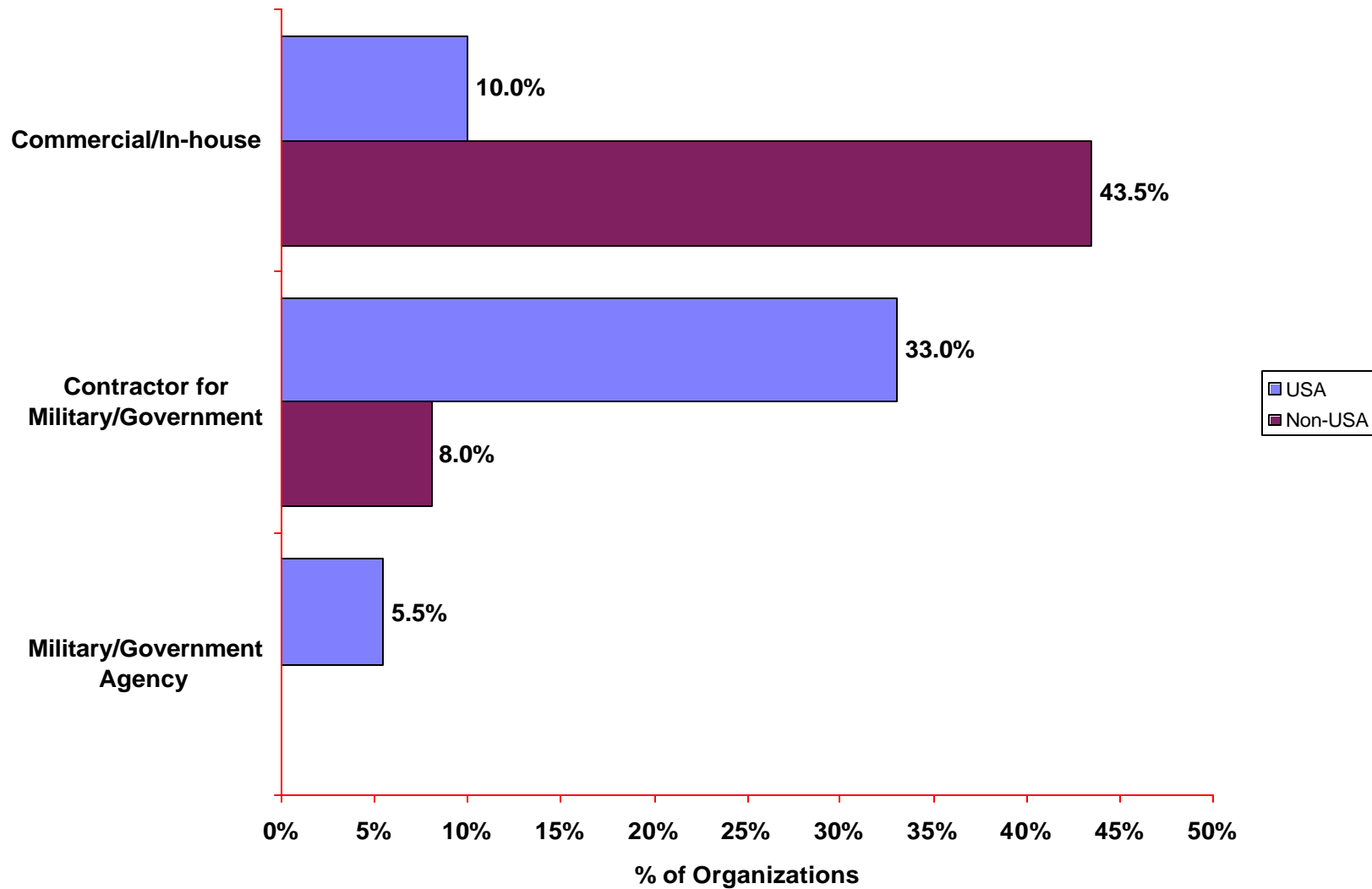
Disciplines Selected for Appraisals

SE = System Engineering
SW = Software Engineering
IPPD = Integrated Product and Process Development
SS = Supplier Sourcing

Based on **223** appraisals reporting coverage

See http://www.sei.cmu.edu/cmmi/background/aspec.html for Allowable Models & Combinations
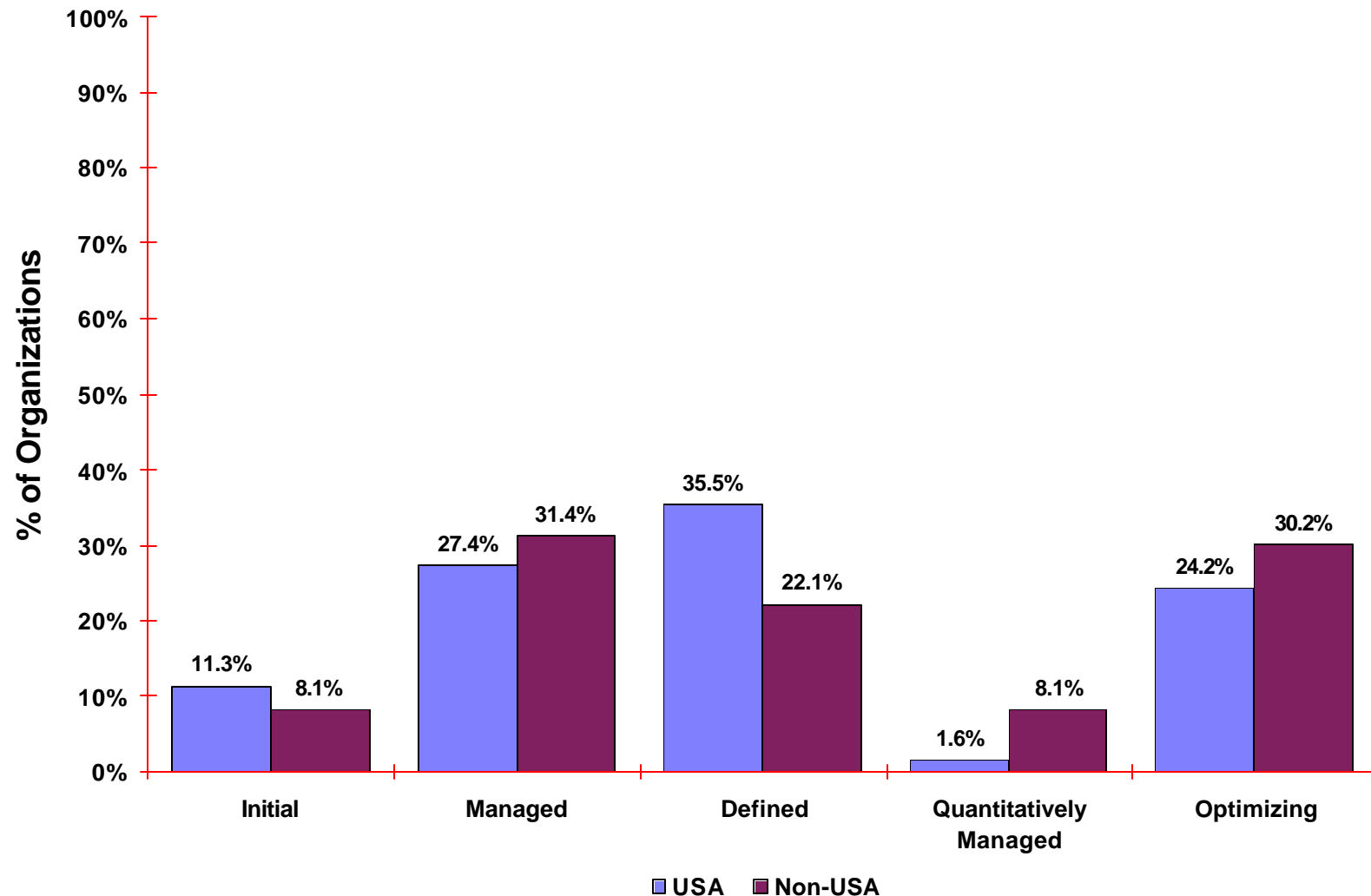
USA and Non-USA Reporting Organization Categories
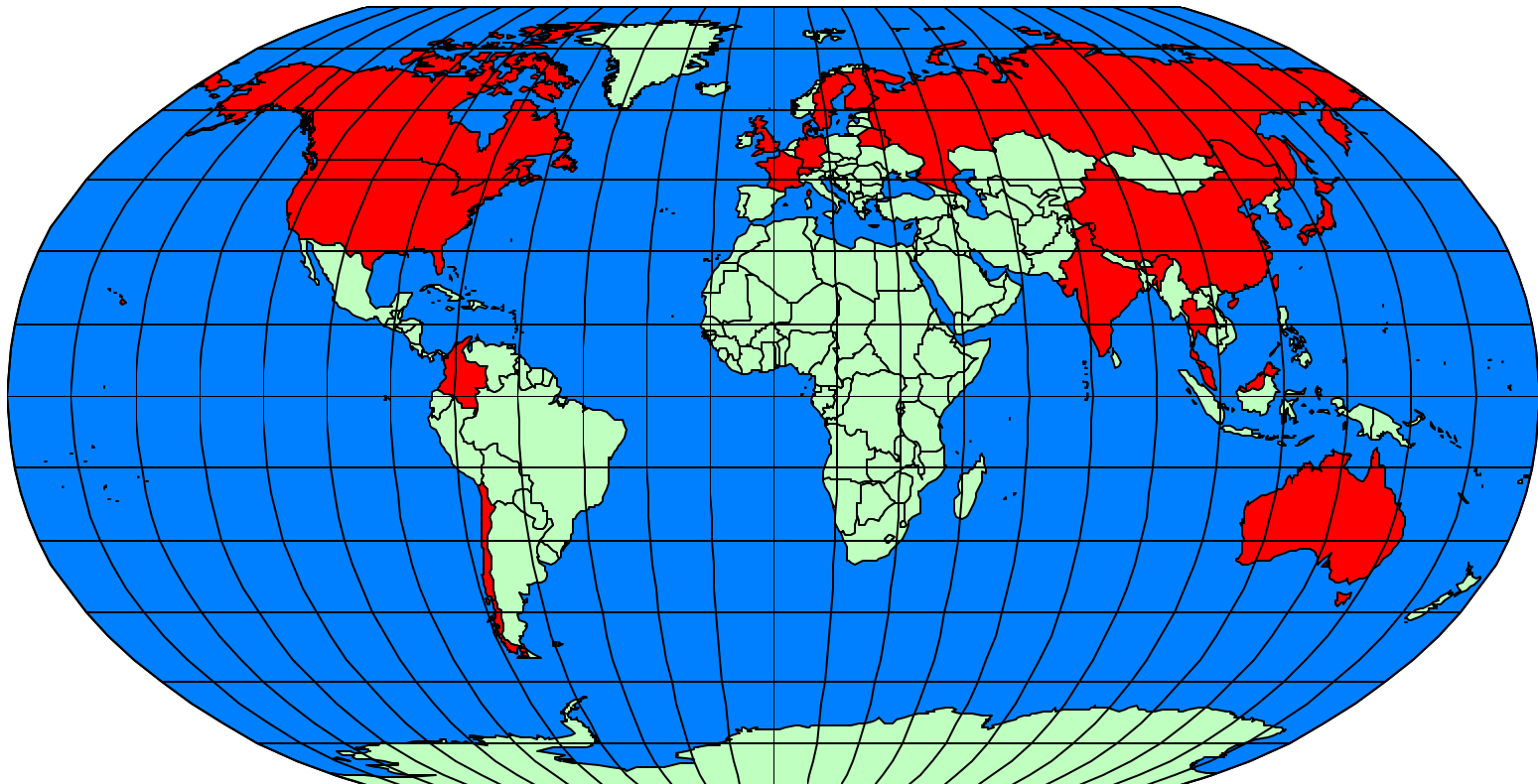

Based on 200 organizations

Maturity Profile by All Reporting USA and Non-USA Organizations

Based on **62** U.S. organizations and **86** Non-USA organizations reporting their maturity level rating

Countries where Appraisals have been Performed <u>and</u> Reported to the SEI

Australia	**Belarus**	Canada	**Chile**	China	Colombia
Denmark	**Finland**	France	**Germany**	**Hong Kong**	India
Japan	Korea, Republic of	**Malaysia**	Russia	**Singapore**	Sweden
Switzerland	Taiwan	**Thailand**	United Kingdom	United States	

Red country name: New additions with this reporting

Process Area Profiles - 1
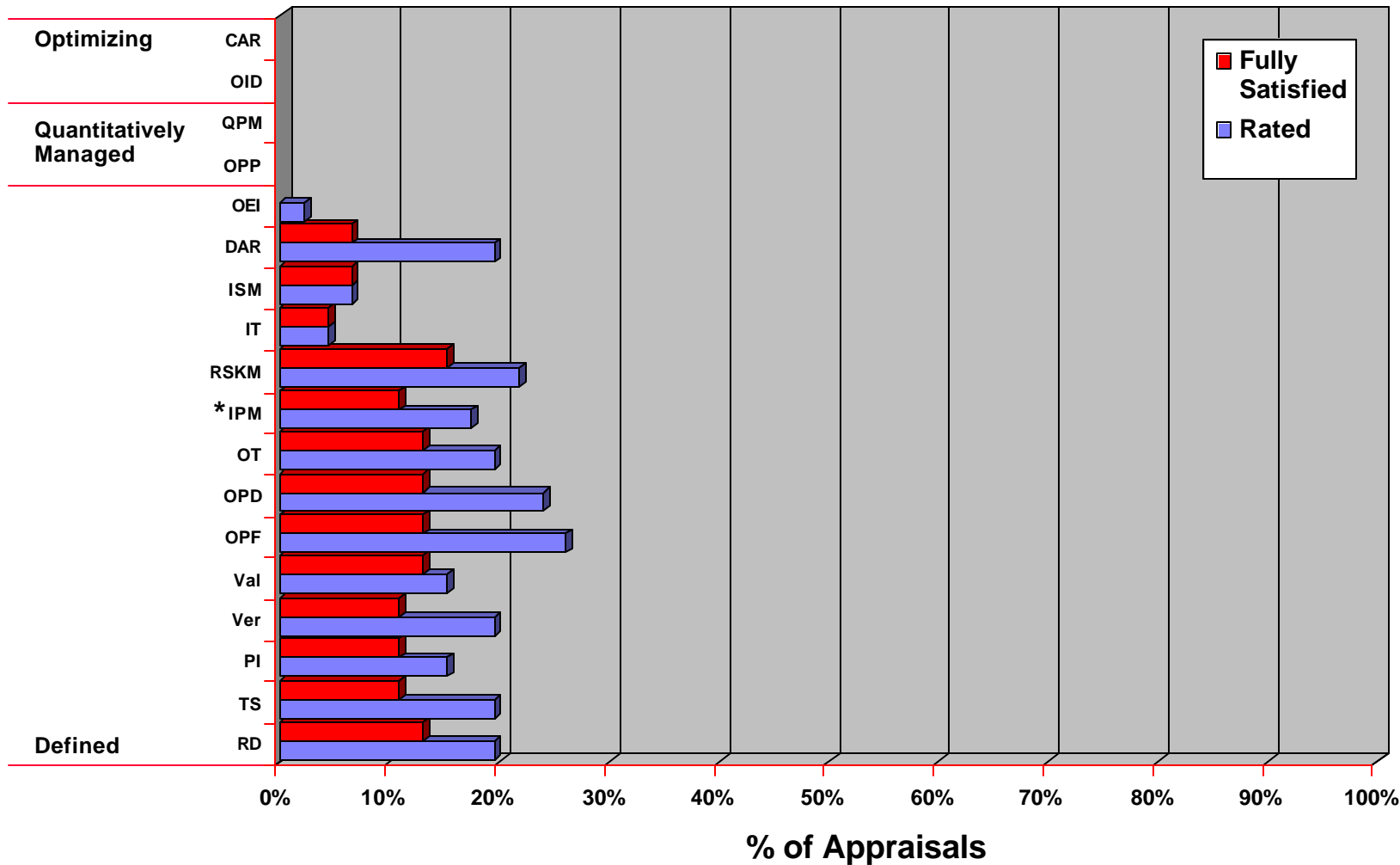# Organizations Appraised at Maturity Level 1
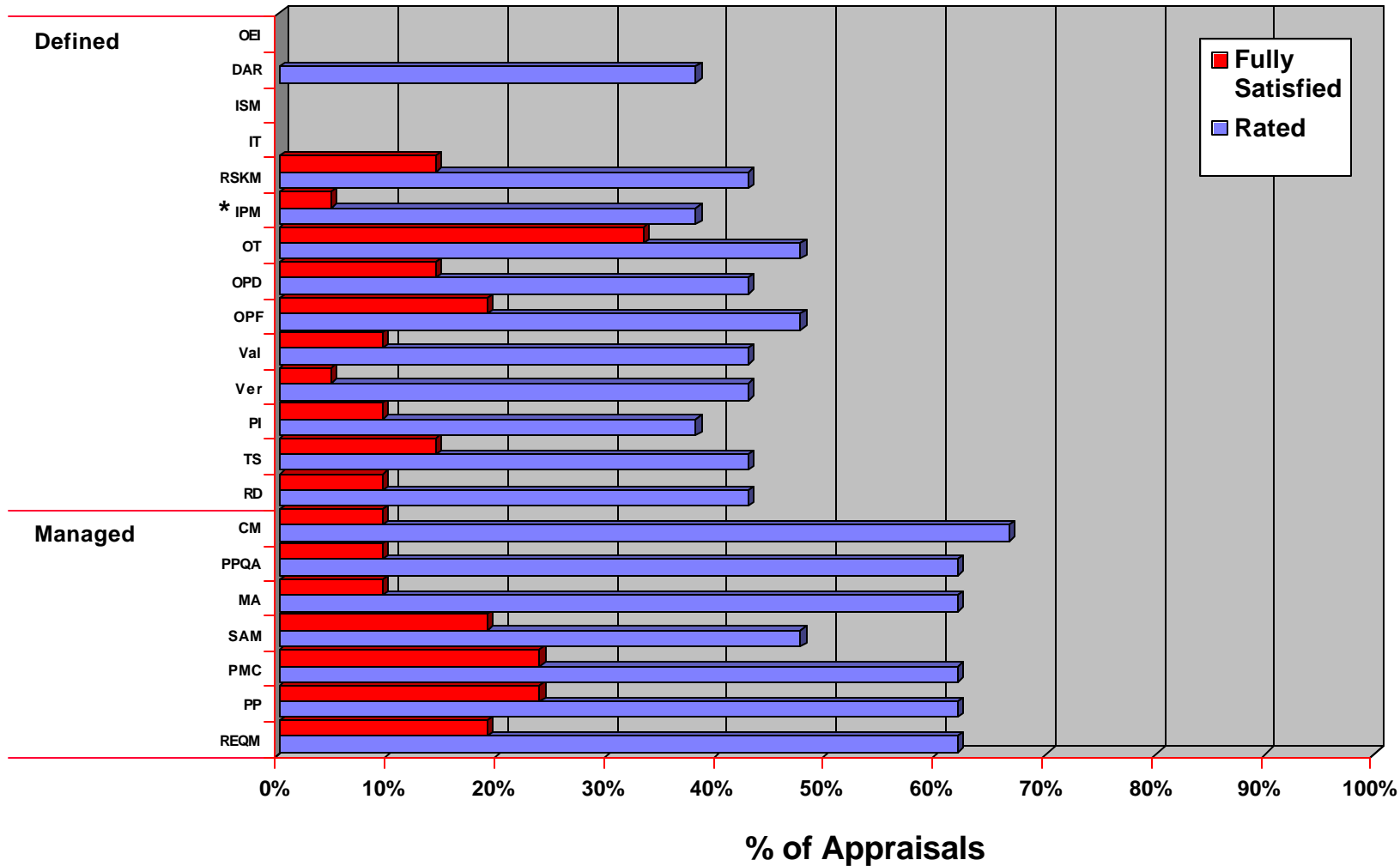
Based on **21** appraisals reporting a maturity level rating

* None of the 21 appraisals selected the IPPD discipline

Process Area Profiles - 2
Organizations Appraised at Maturity Level 2

Based on **46** appraisals reporting a maturity level rating

* 2 of the 46 appraisals rating IPM also examined the IPPD goals. These 2 appraisals satisfied IPM.

Summary

Relatively more appraisals in the Commercial community than in the Government Contractor community, however, a higher percentage of the Commercial organizations are outside of the U.S.A. and a higher percentage of the Government Contractors are located in the U.S.A.

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.

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.

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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