



Carnegie Mellon University  
Software Engineering Institute

# Process Maturity Profile

## CMMI<sup>®</sup> v1.1 SCAMPI<sup>SM</sup> 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<sup>SM</sup>.

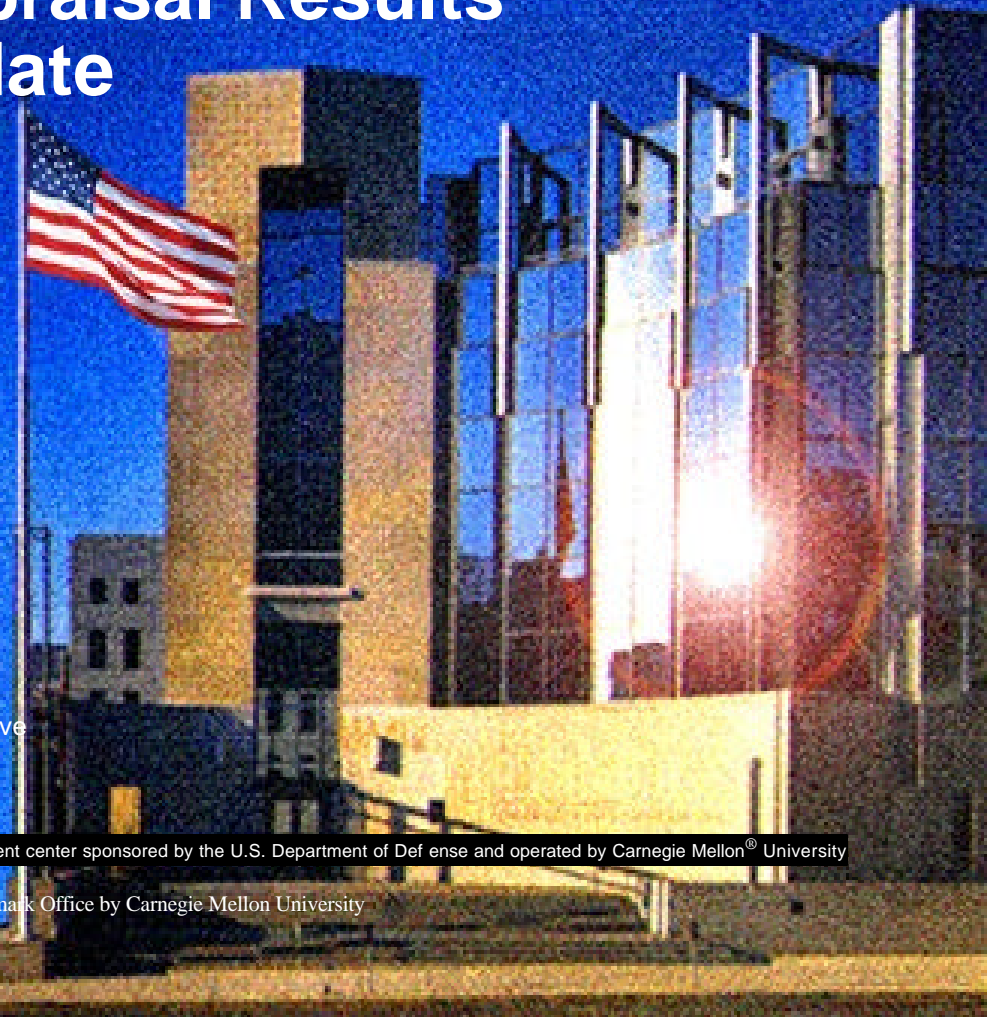
Our many thanks for their continuing cooperation with our data collection and analysis efforts.

Software Engineering Measurement and Analysis Initiative

The Software Engineering Institute is a federally funded research and development center sponsored by the U.S. Department of Defense and operated by Carnegie Mellon<sup>®</sup> University

® CMMI and Carnegie Mellon are registered in the U.S. Patent and Trademark Office by Carnegie Mellon University  
SM SCAMPI and SEI are service marks of Carnegie Mellon University

© 2004 by Carnegie Mellon University





# 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](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 and reported to the SEI by January 2004**

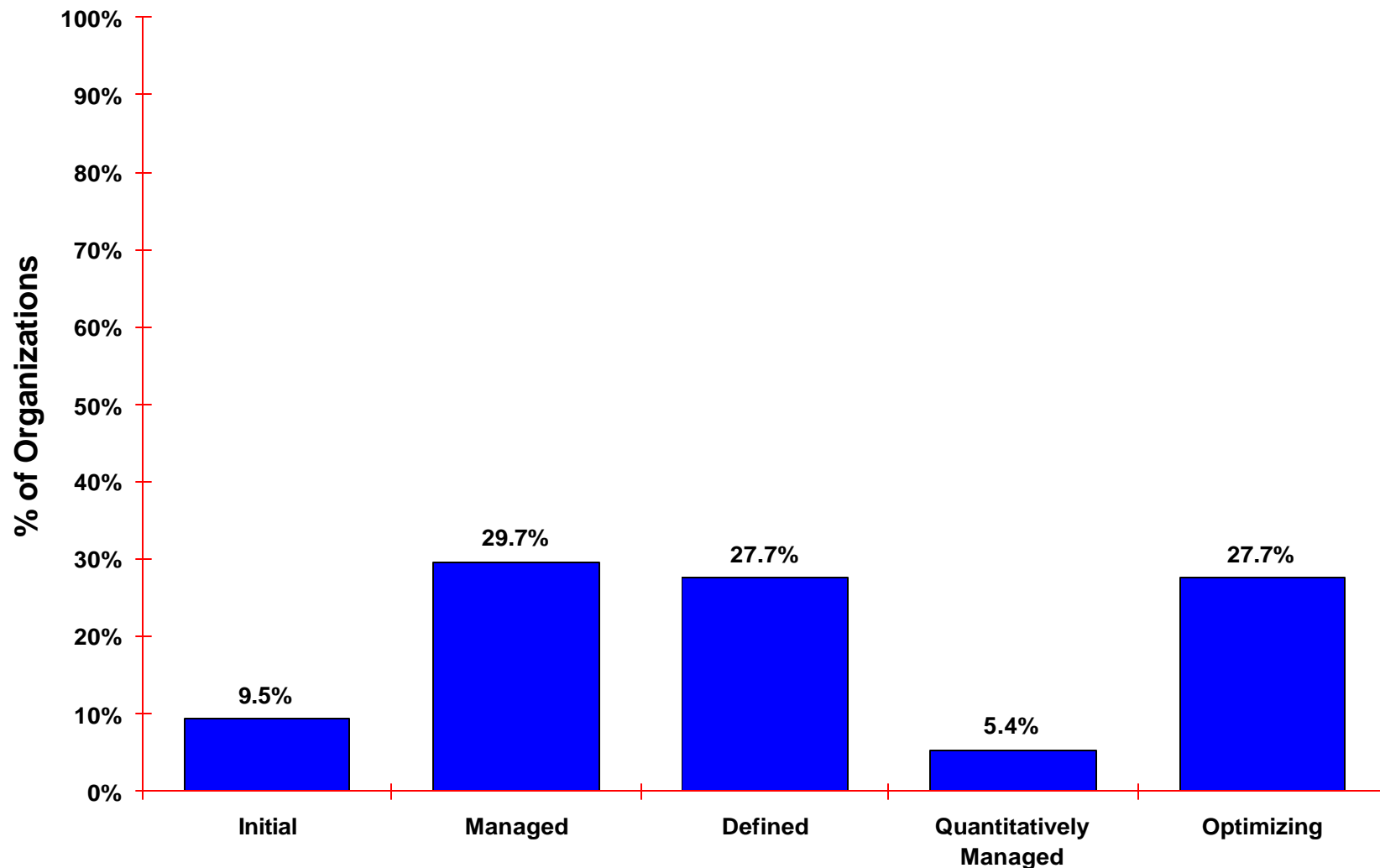
- **223 appraisals**
- **200 organizations**
- **99 participating companies**
- **19 reappraised organizations**
- **848 projects**
- **43% Non-USA organizations**

**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.



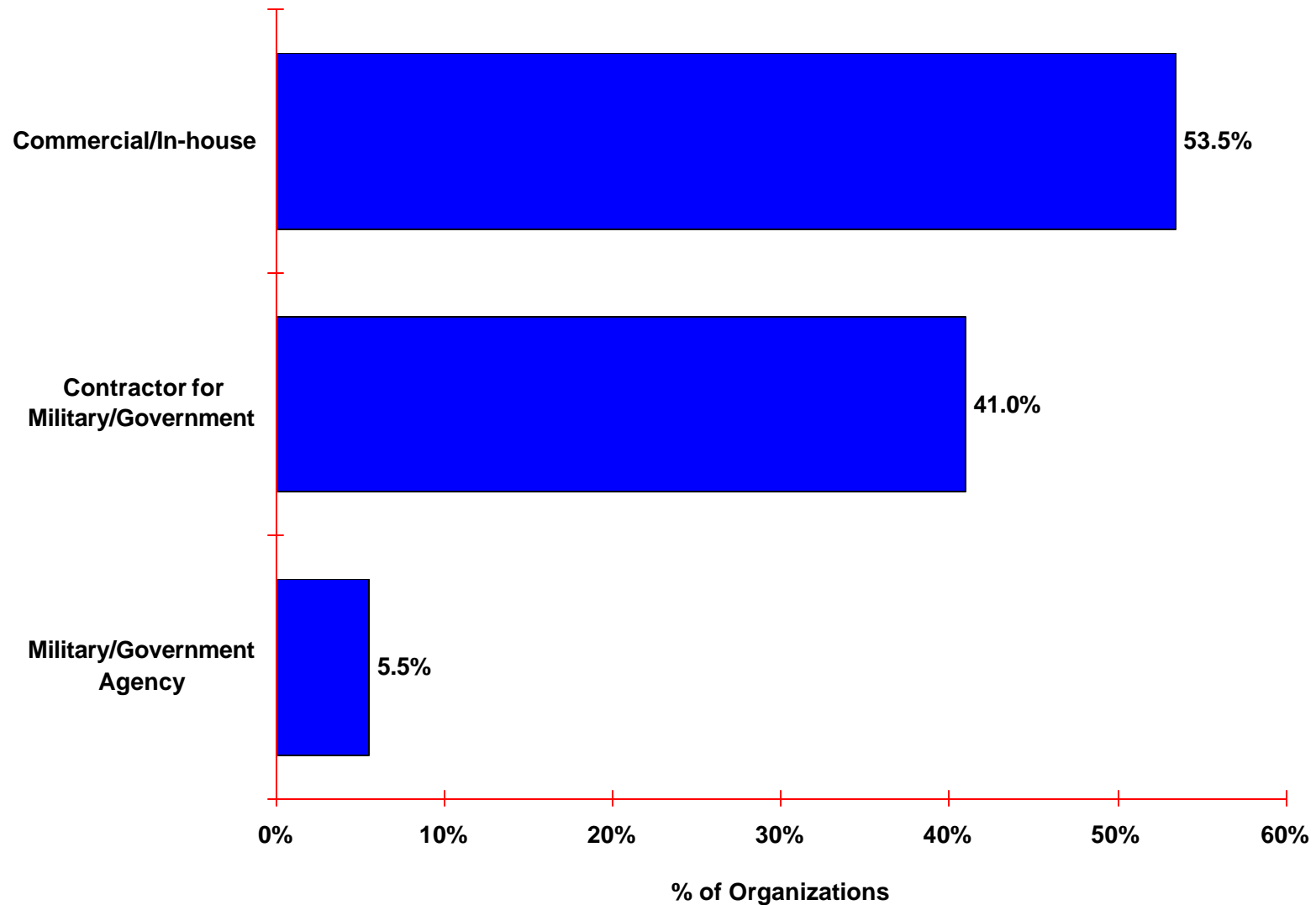
# Maturity Profile by All Reporting Organizations



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



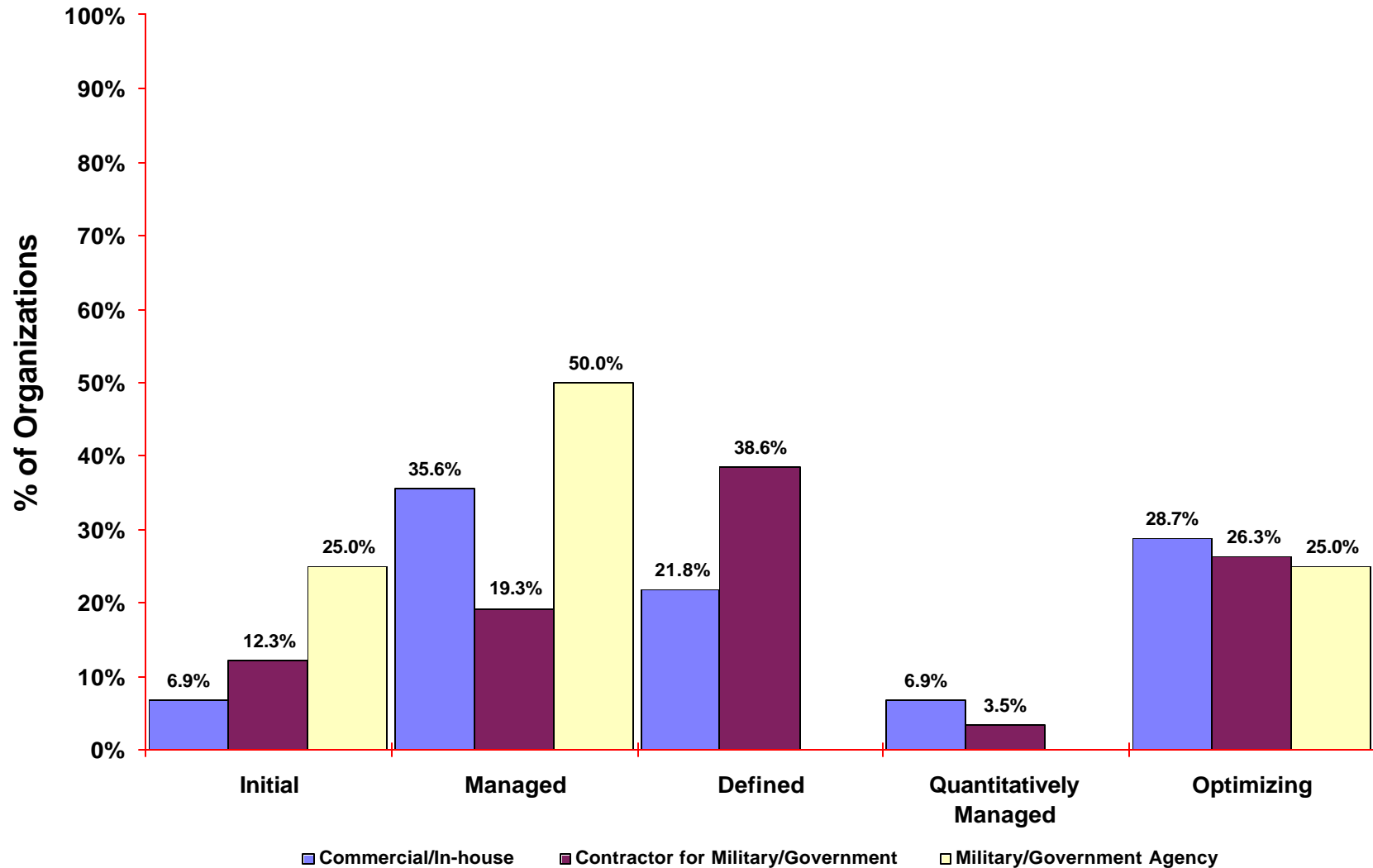
# Reporting Organizational Categories



Based on **200** organizations



# Maturity Profile by Reporting Organization Categories

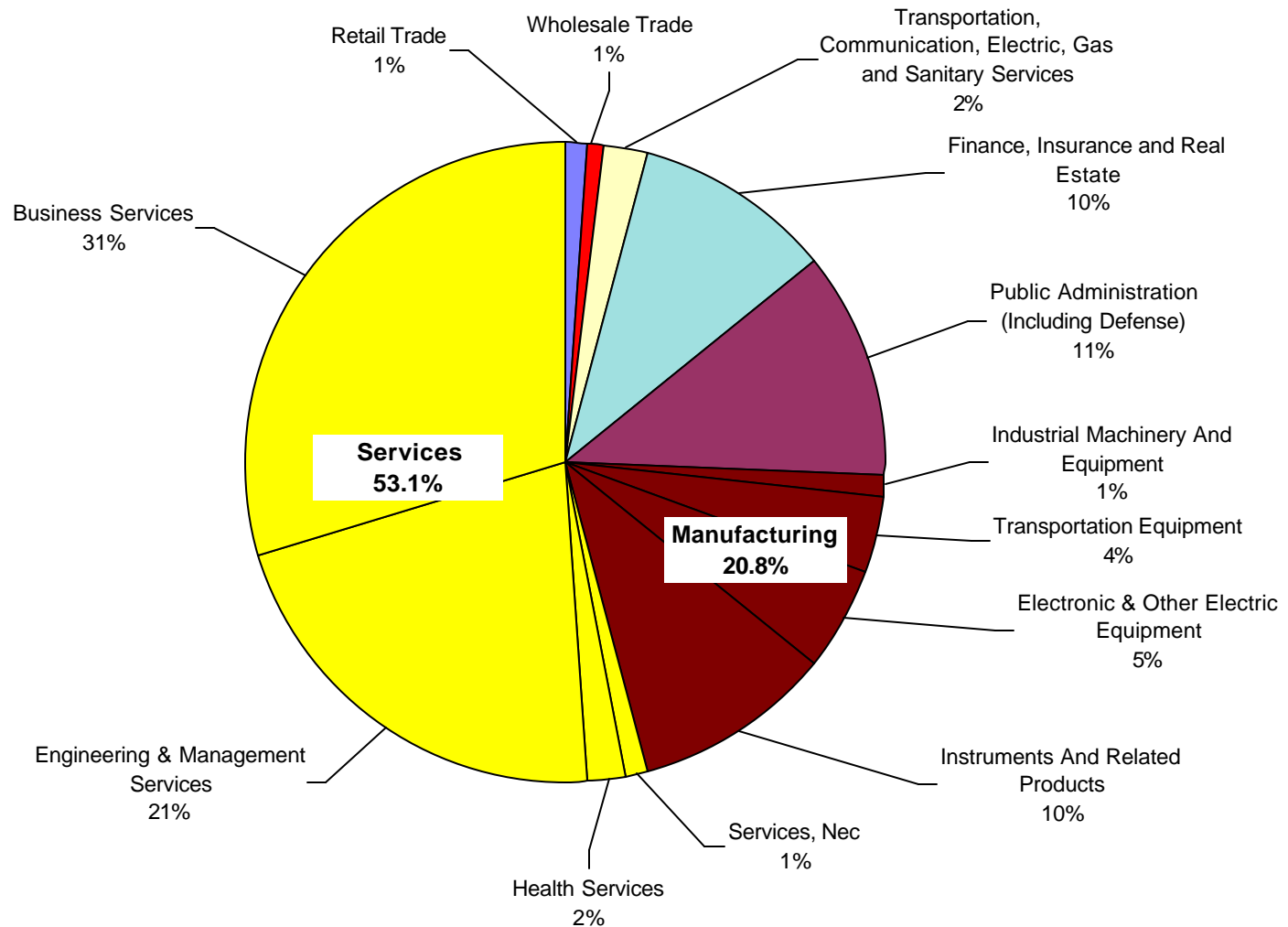


Based on most recent appraisal of **148** organizations reporting organization categories and a maturity level rating



# Organization Type

Based on Primary Standard Industrial Classification (SIC) Code



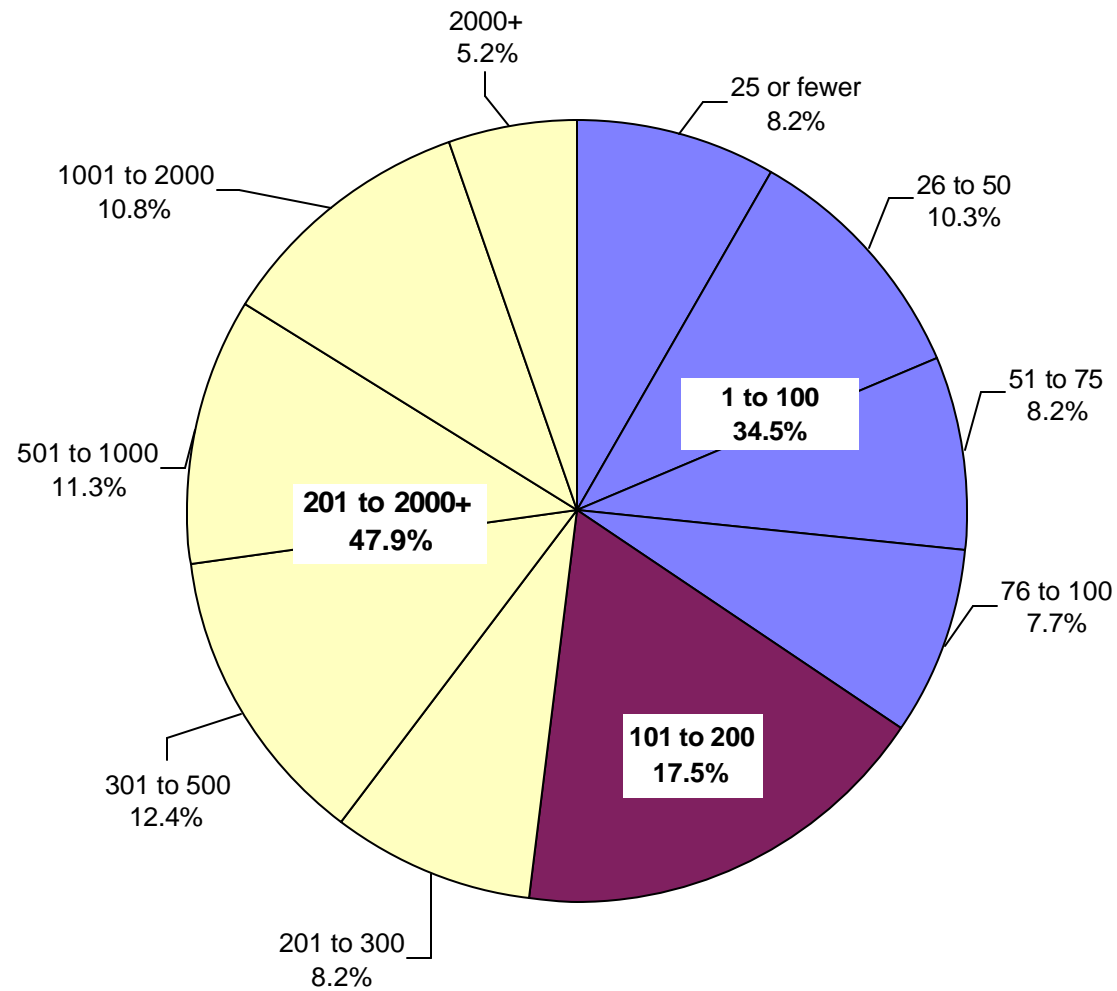
Based on 98 organizations reporting SIC code. For more information visit: <http://www.osha.gov/oshstats/sicser.html>





# Organization Size

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

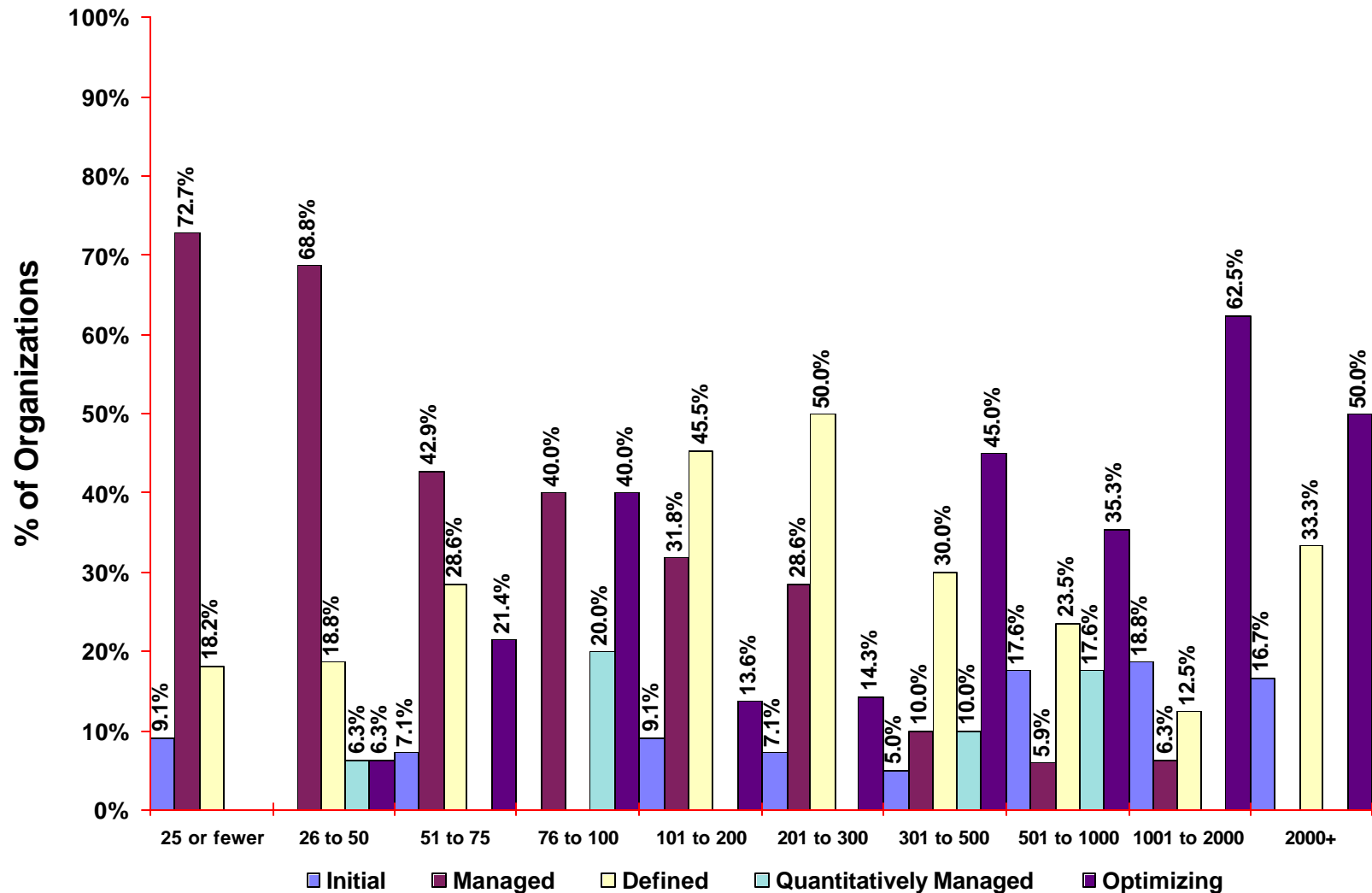


Based on **194** organizations reporting size data



# Maturity Profile by Organization Size

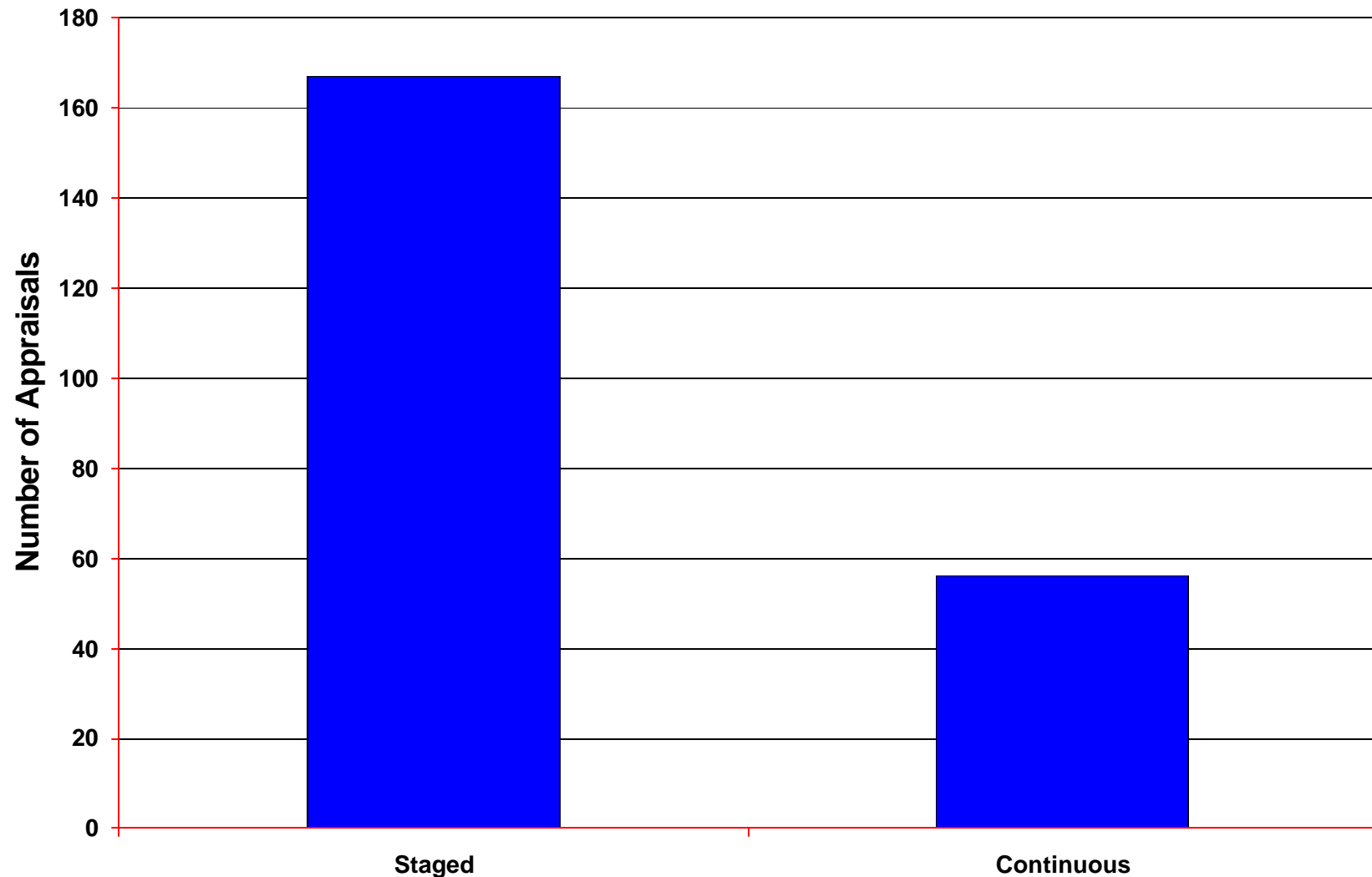
Based on the total number of employees within the area of the organization that was appraised



Based on 146 organizations reporting size data and maturity level rating



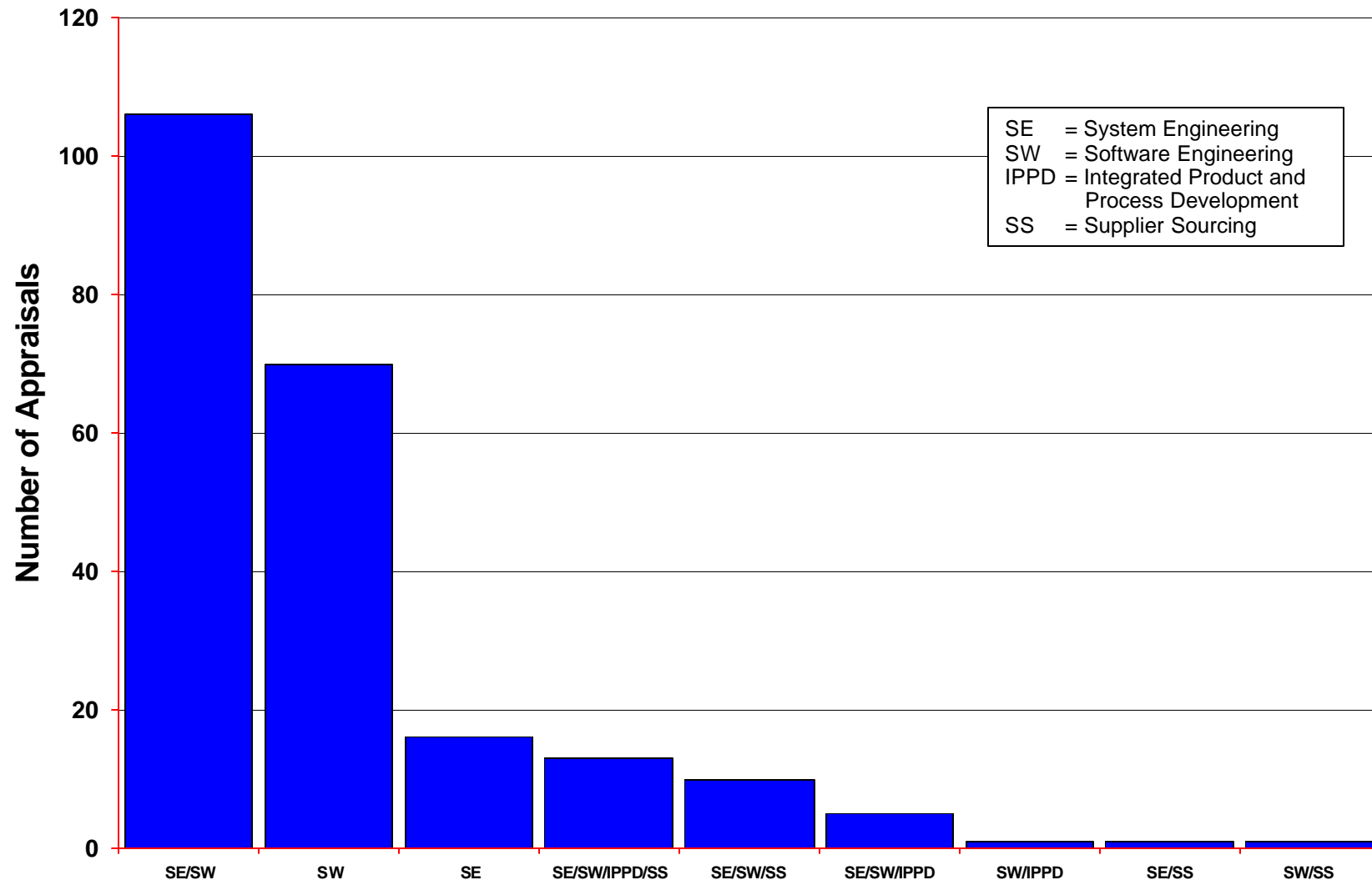
## Model Representations Selected for Appraisals



Based on **223** appraisals



# Disciplines Selected for Appraisals

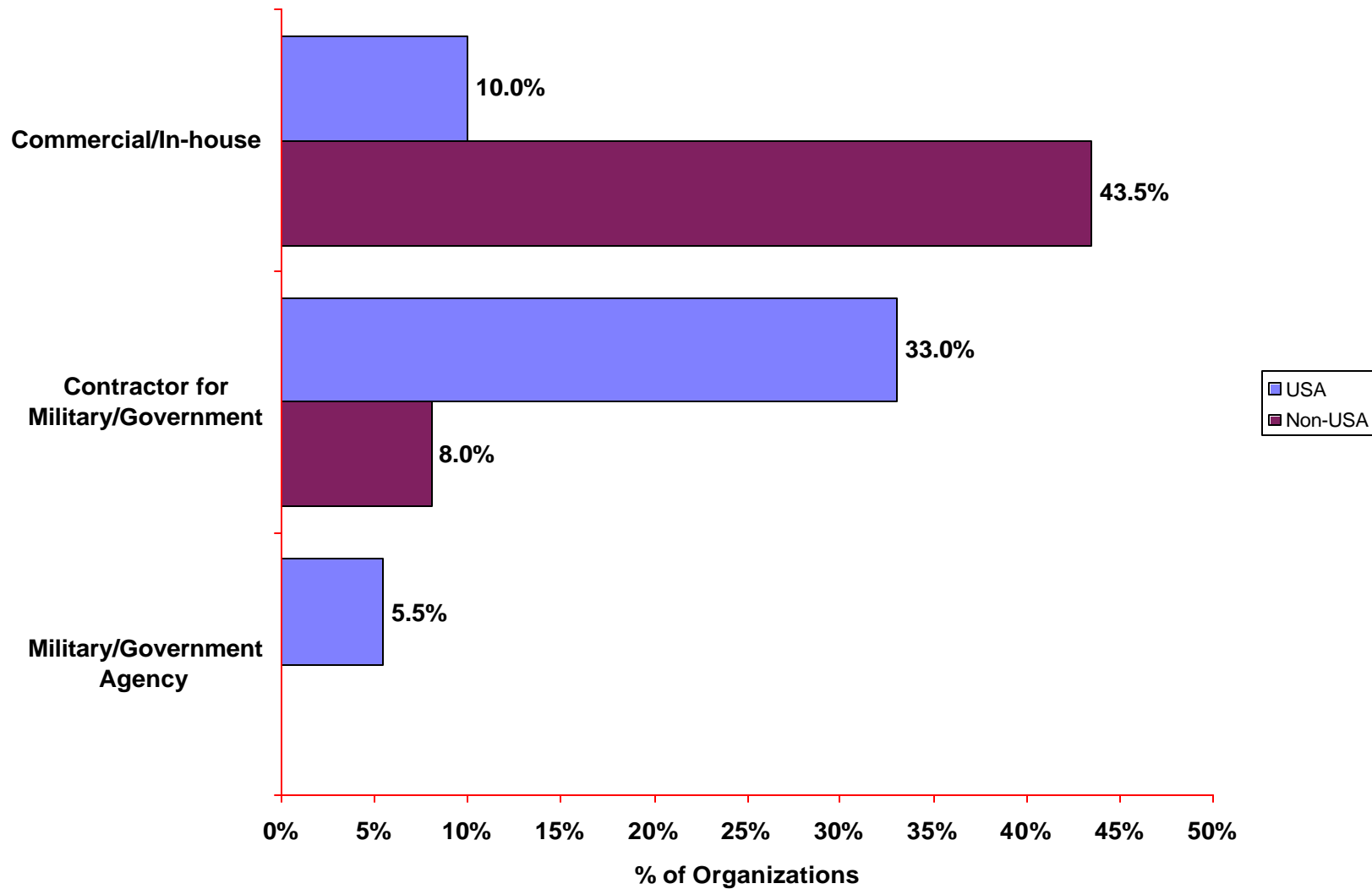


Based on **223** appraisals reporting coverage

See <http://www.sei.cmu.edu/cmmi/background/aspec.html> for Allowable Models & Combinations



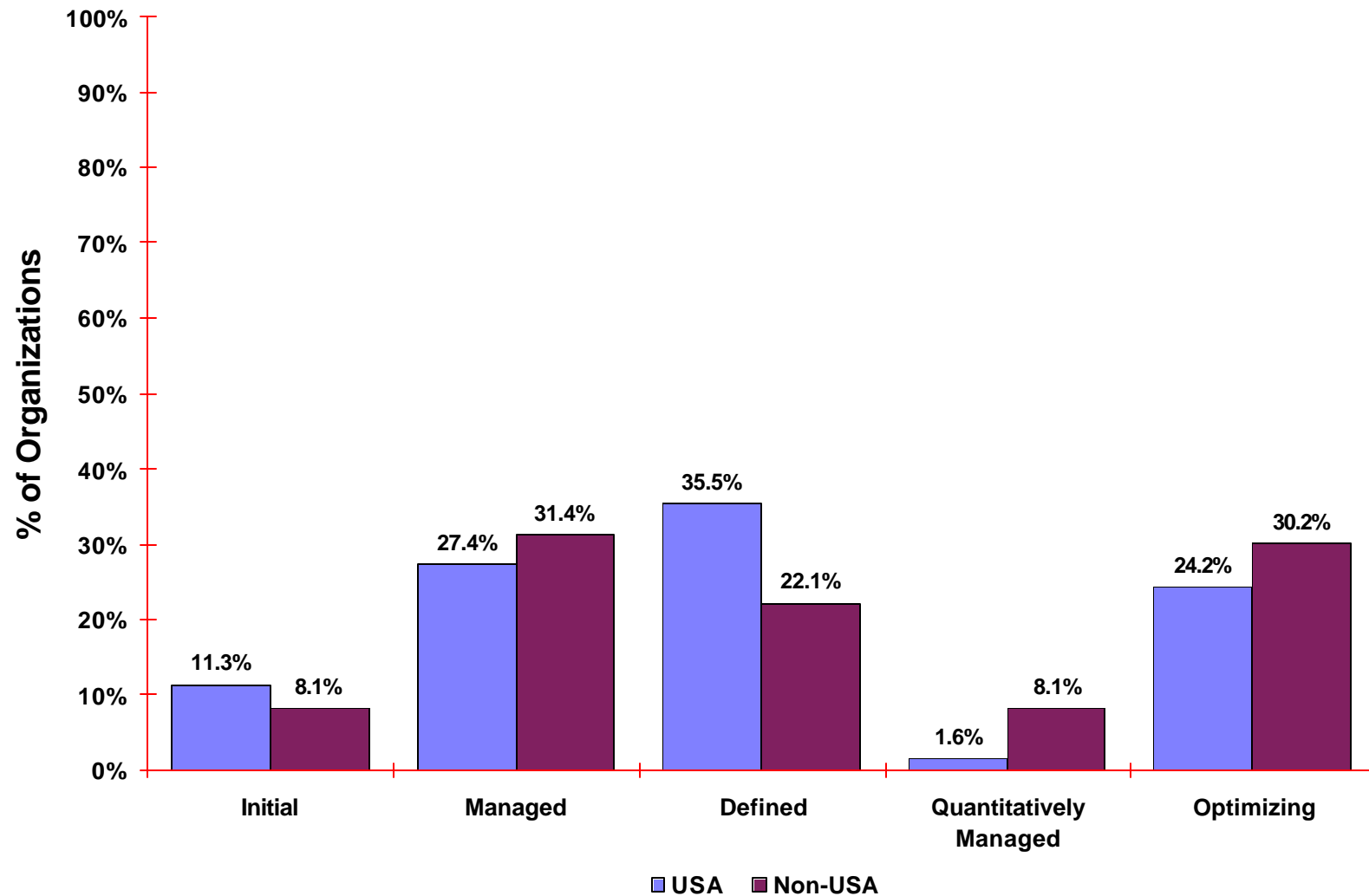
# USA and Non-USA Reporting Organization Categories



Based on **200** organizations



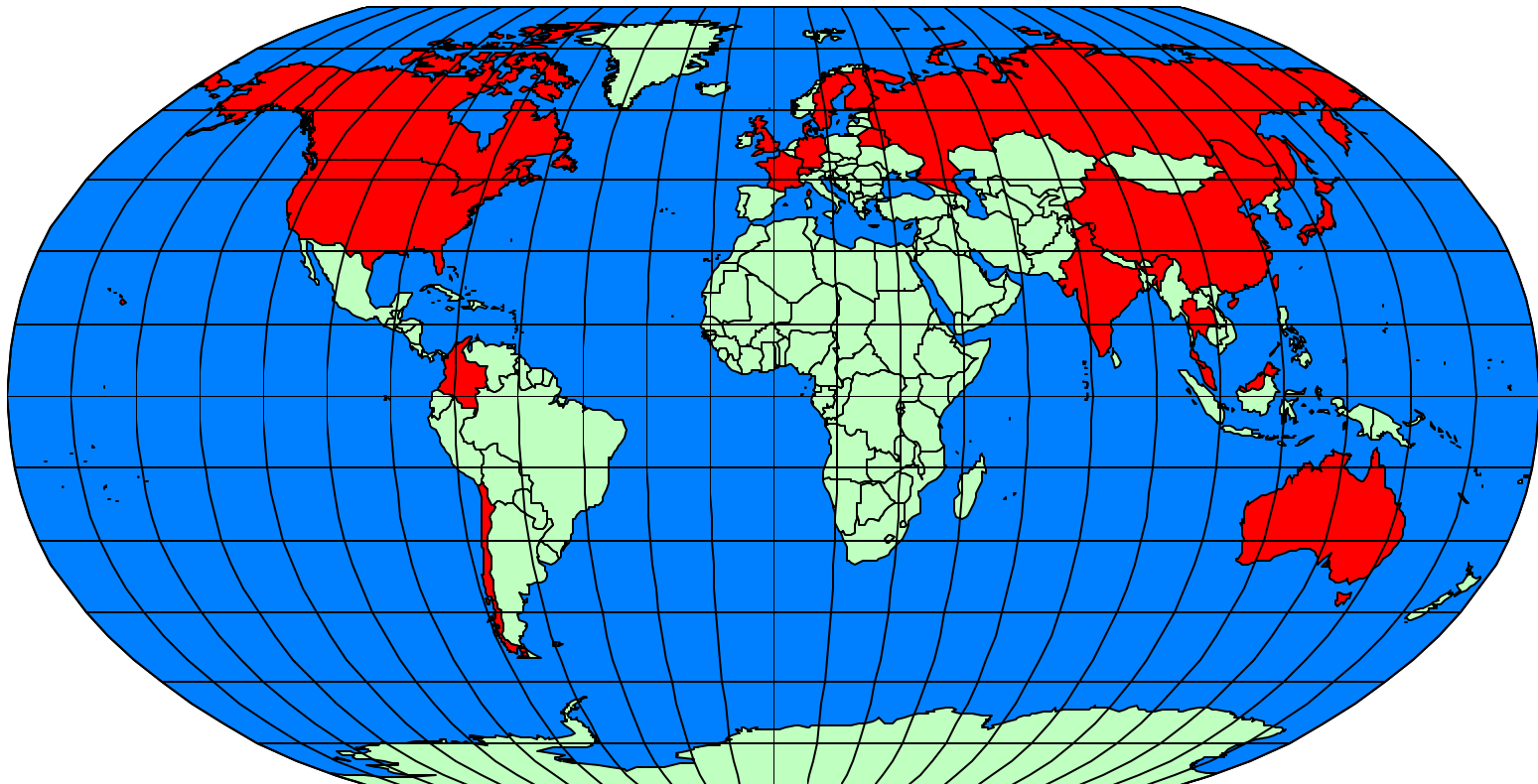
# Maturity Profile by All Reporting USA and Non-USA Organizations



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



# Countries where Appraisals have been Performed and Reported to the SEI



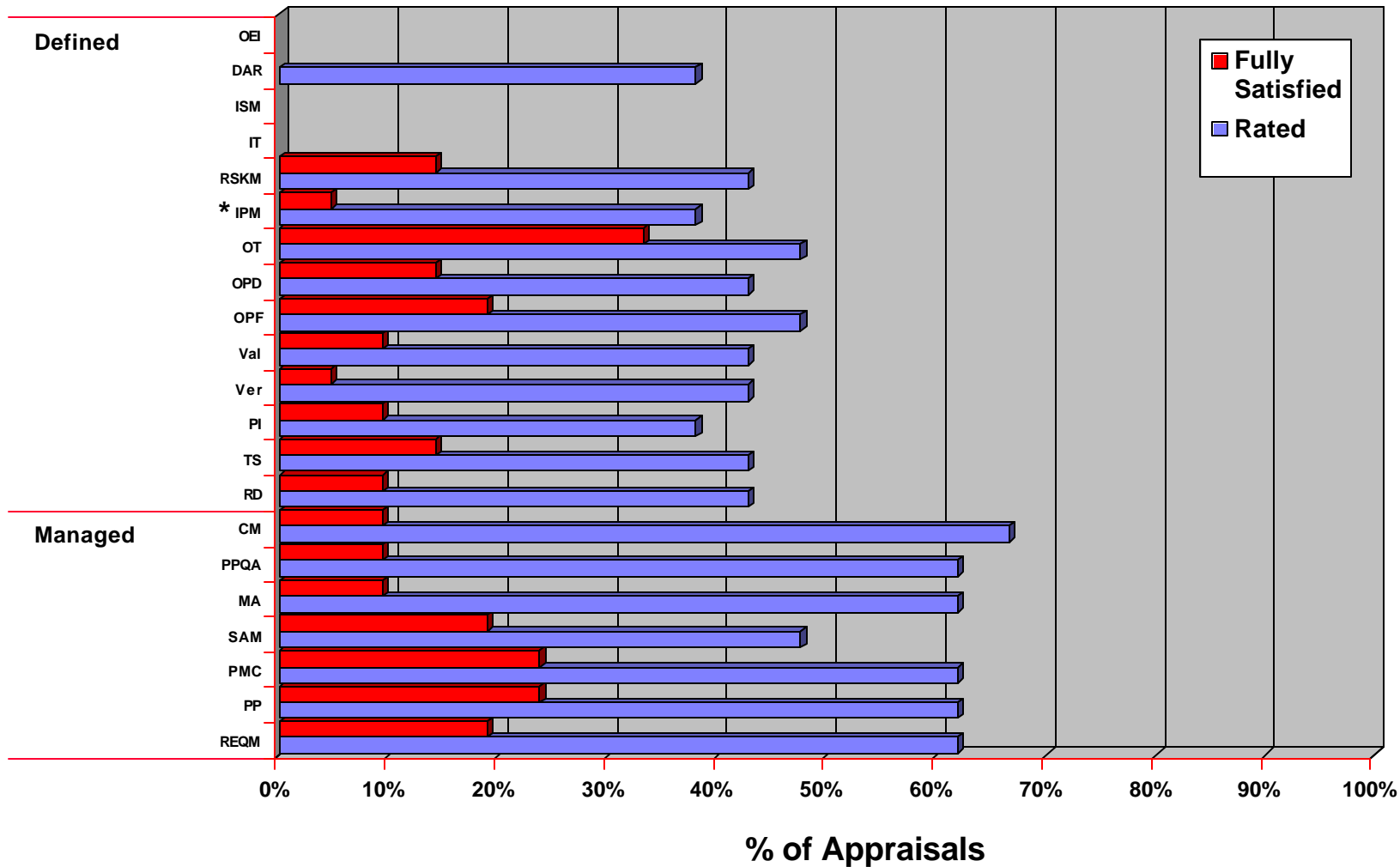
Australia	<b>Belarus</b>	Canada	<b>Chile</b>	China	Colombia
<b>Denmark</b>	<b>Finland</b>	France	<b>Germany</b>	<b>Hong Kong</b>	India
Japan	Korea, Republic of	<b>Malaysia</b>	Russia	<b>Singapore</b>	Sweden
Switzerland	Taiwan	<b>Thailand</b>	United Kingdom	United States	

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

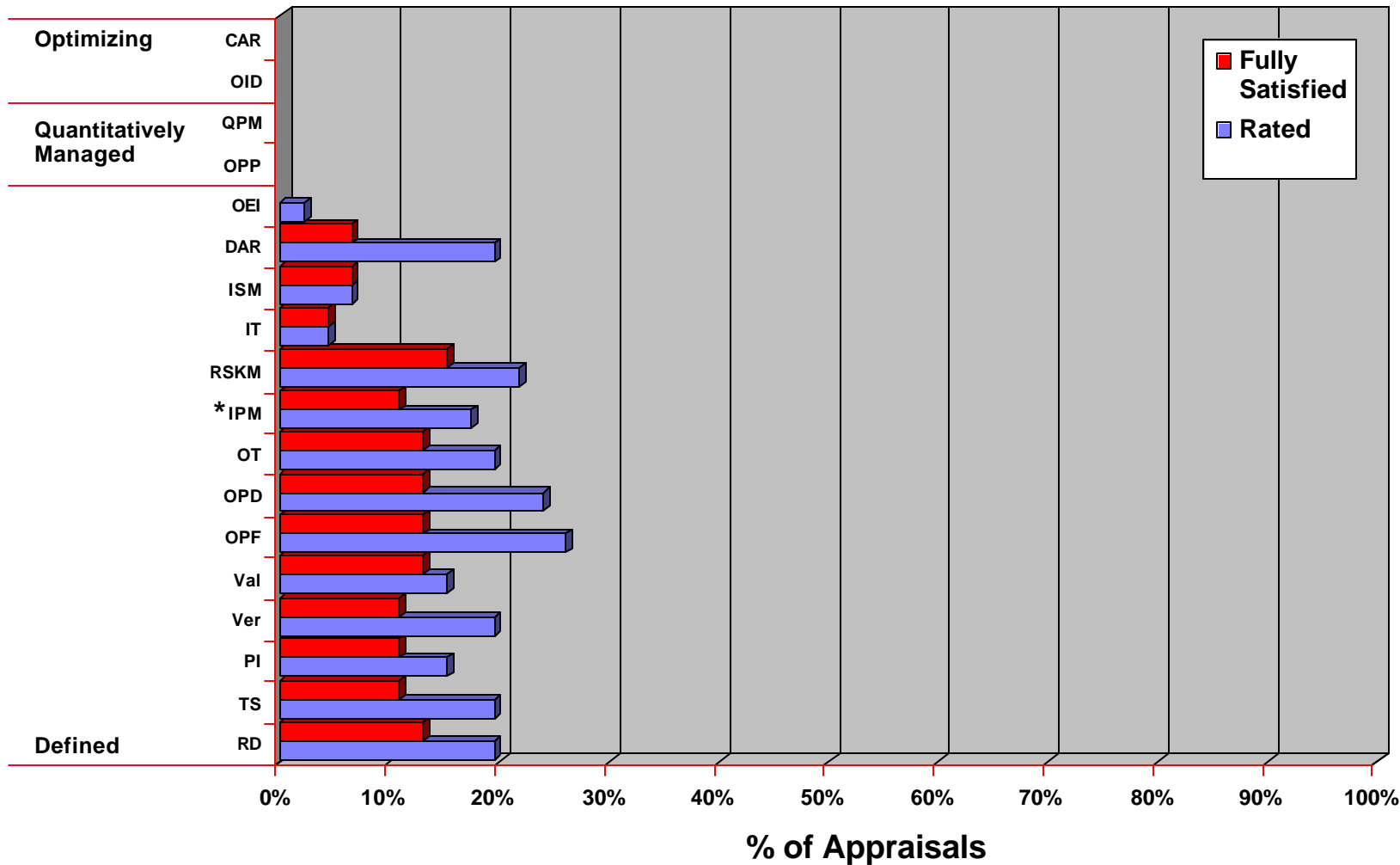
\* None of the 21 appraisals selected the IPPD discipline





# 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](http://www.sei.cmu.edu/sema/profile_about.html)**

**and review the information provided before contacting:**

**SEI Customer Relations (412) 268-5800**

**SEI FAX number (412) 268-5758**

**Internet Address**

**customer-relations@sei.cmu.edu**

**Mailing Address**

**Customer Relations  
Software Engineering Institute  
Carnegie Mellon University  
Pittsburgh, PA 15213-3890**