



Carnegie Mellon University  
Software Engineering Institute

# Process Maturity Profile

## CMMI® v1.1 SCAMPI<sup>SM</sup> v1.1 Class A Appraisal Results 2004 Mid-Year Update

August 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.

CMMI Appraisal Program

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 University.

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# 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 SEI Partners, authorizes lead appraisers and approved team leaders 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<sup>SM</sup>), 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 which have not reappraised against v 1.1 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 Class A appraisals conducted from its April 2002 release through June 2004 and reported to the SEI by July 2004**

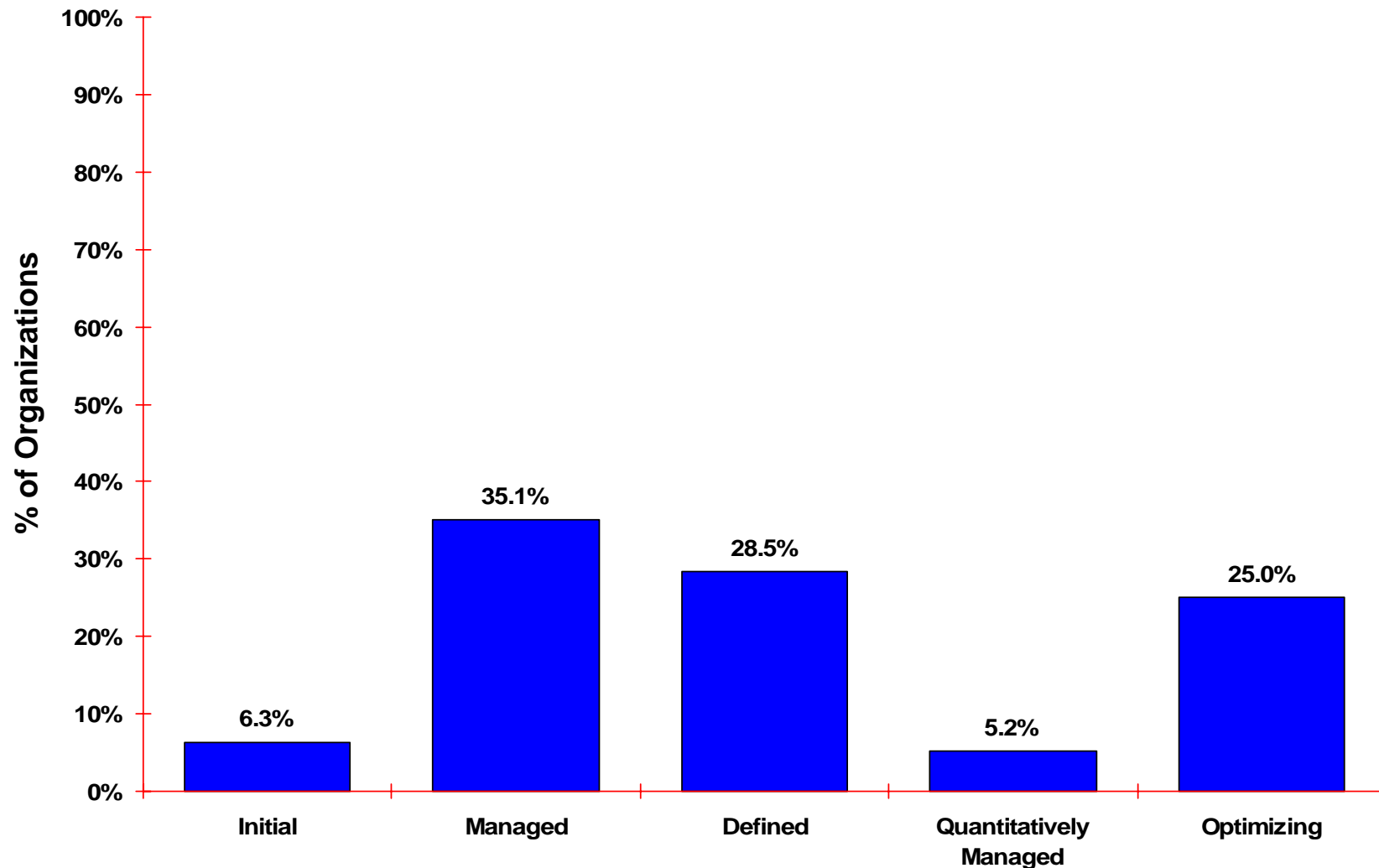
- **367 appraisals**
- **333 organizations**
- **176 participating companies**
- **28 reappraised organizations**
- **1,368 projects**
- **46.2% Non-USA organizations**

**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 appraisal data is reported to the SEI over time.



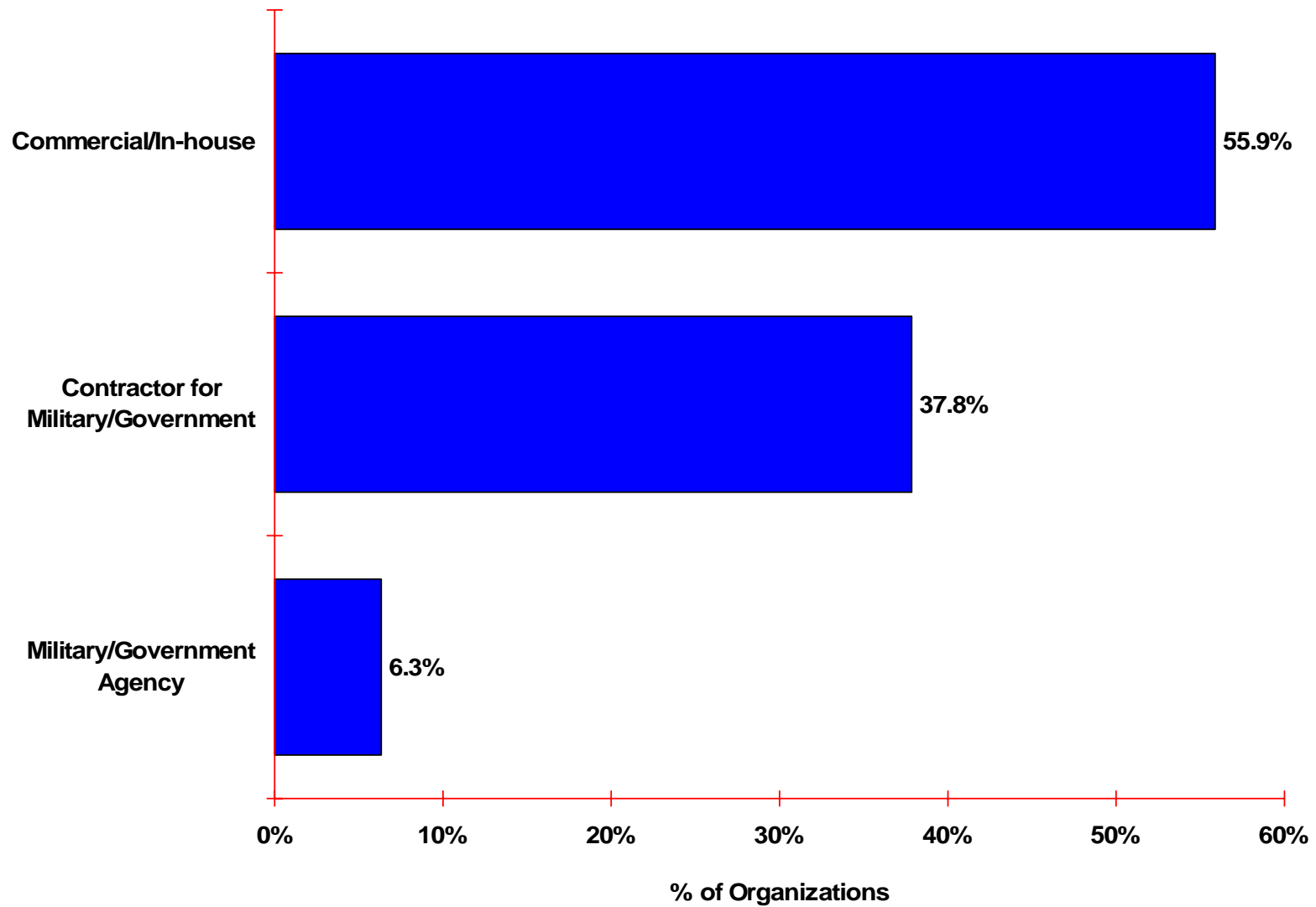
# Maturity Profile by All Reporting Organizations



Based on most recent appraisal of **288** organizations reporting a maturity level rating



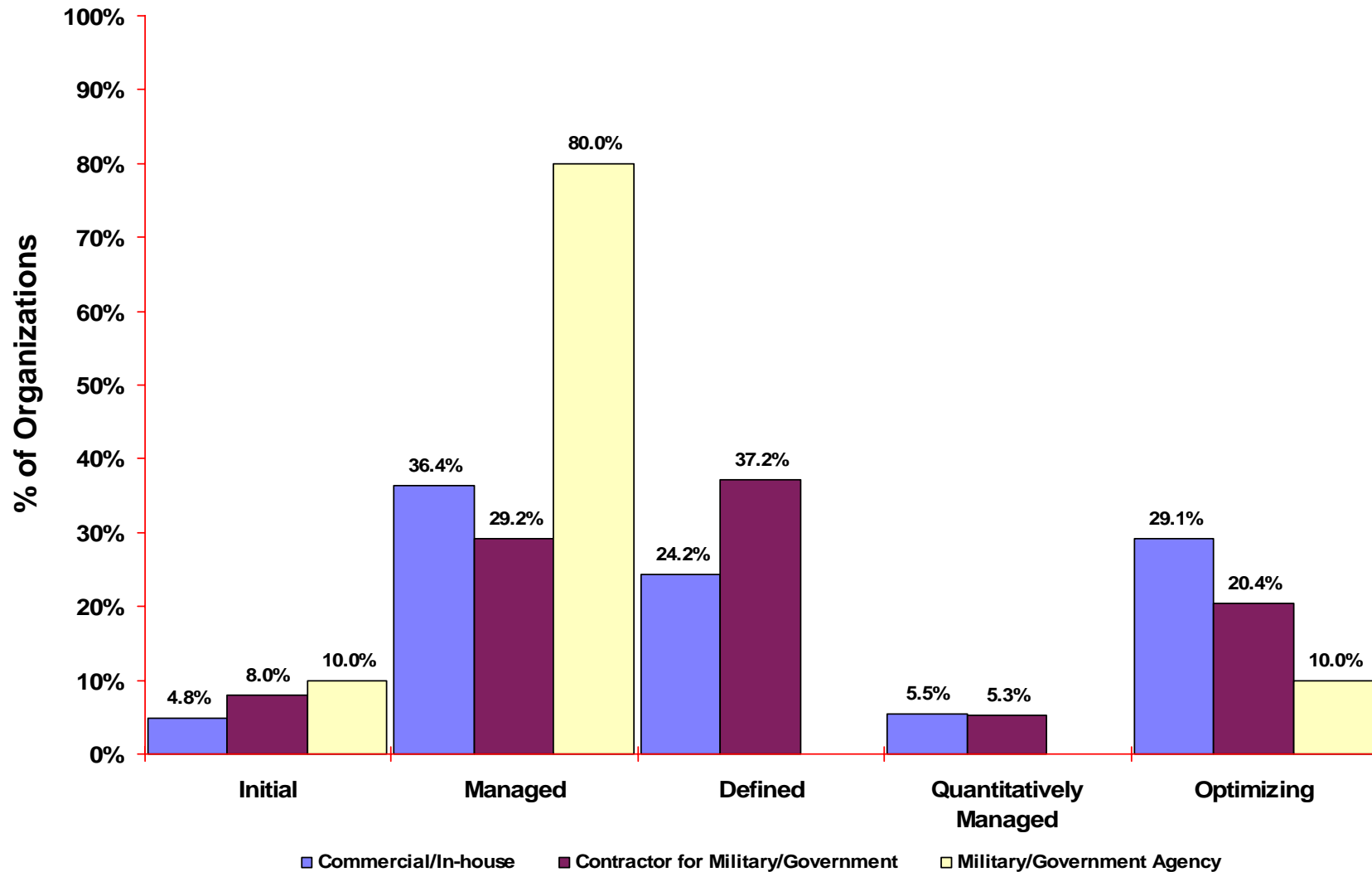
# Reporting Organizational Categories



Based on **333** organizations



# Maturity Profile by Reporting Organization Categories

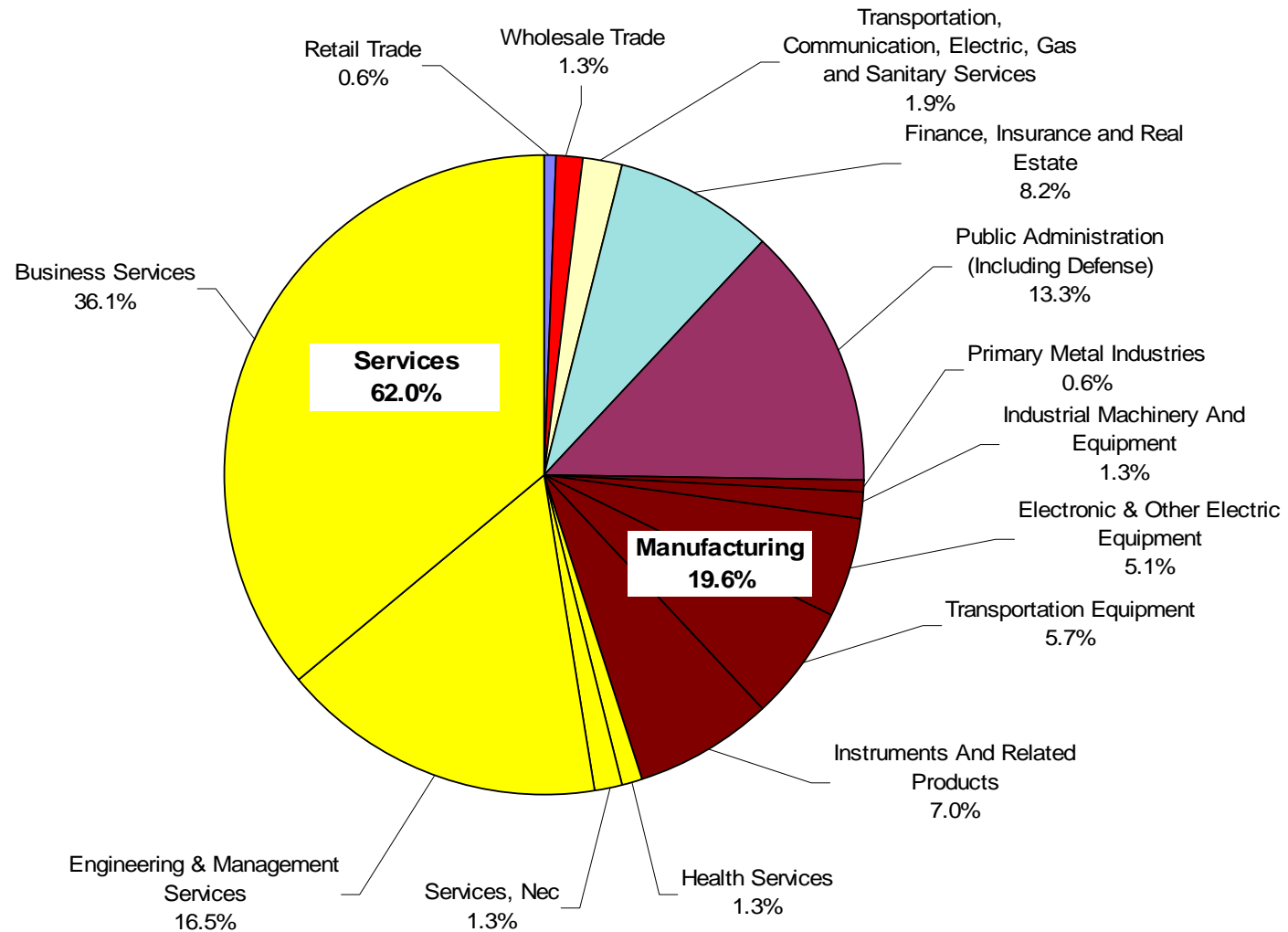


Based on most recent appraisal of **288** organizations reporting organization categories and a maturity level rating



# Organization Type

Based on Primary Standard Industrial Classification (SIC) Code



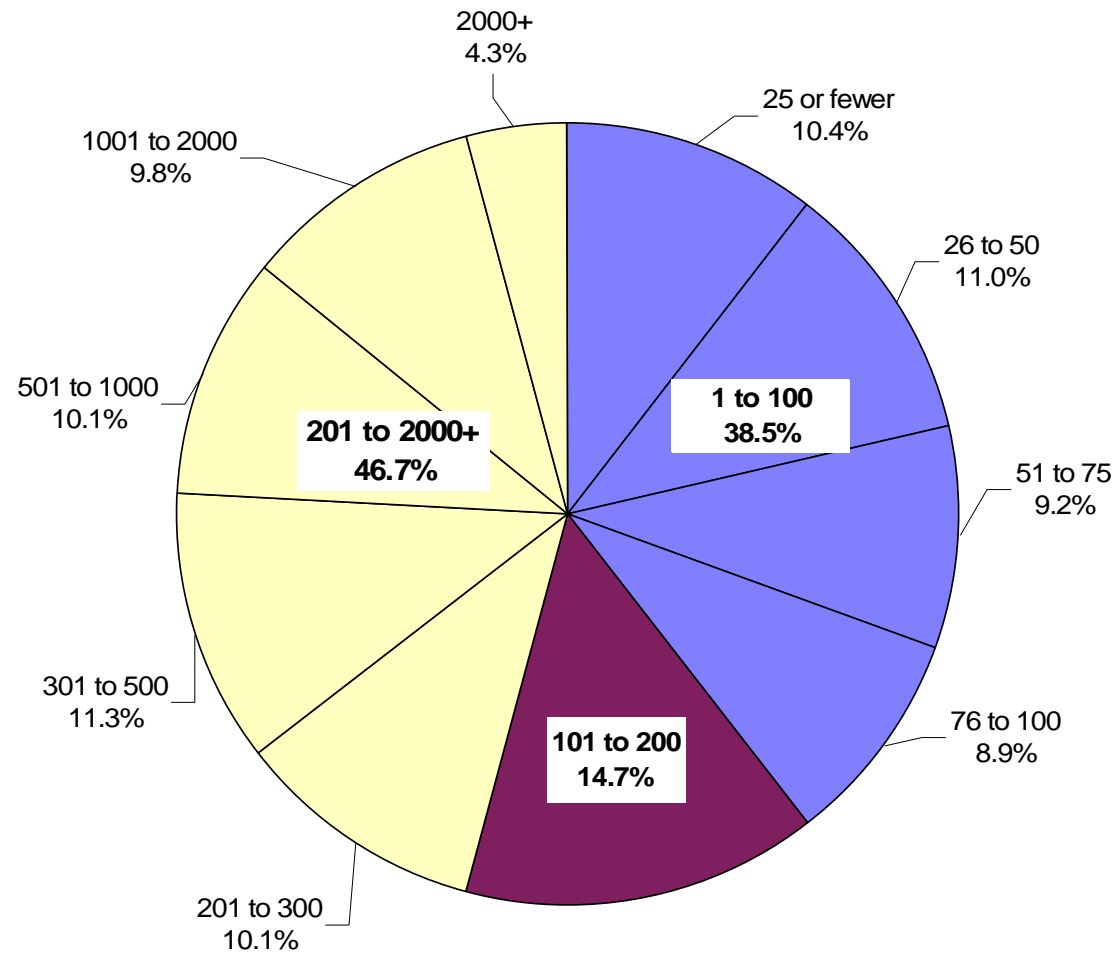
Based on **158** organizations reporting SIC code. For more information visit: <http://www.osha.gov/oshstats/sicser.html>





# Organization Size

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

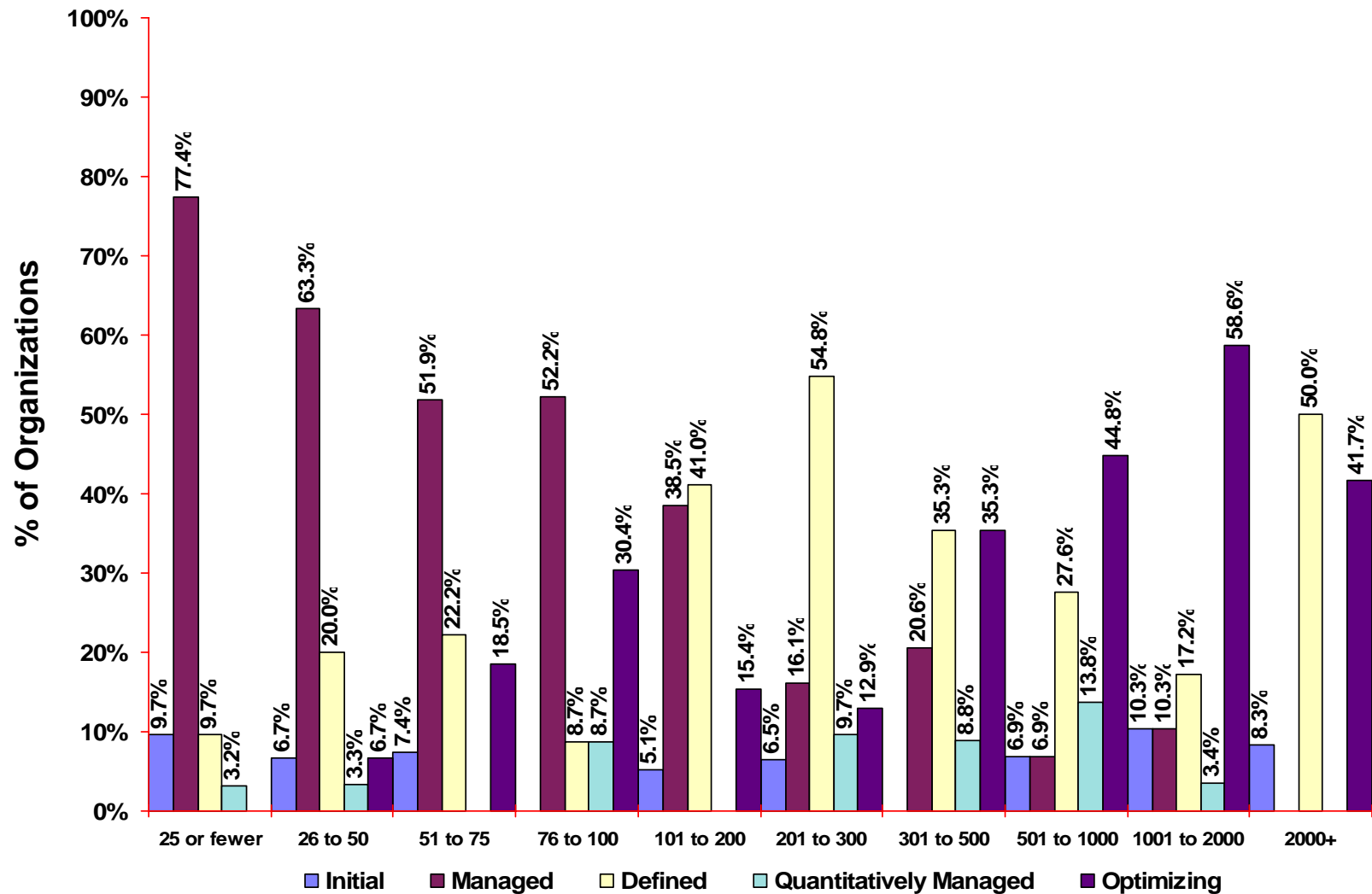


Based on **326** organizations reporting size data



# Maturity Profile by Organization Size

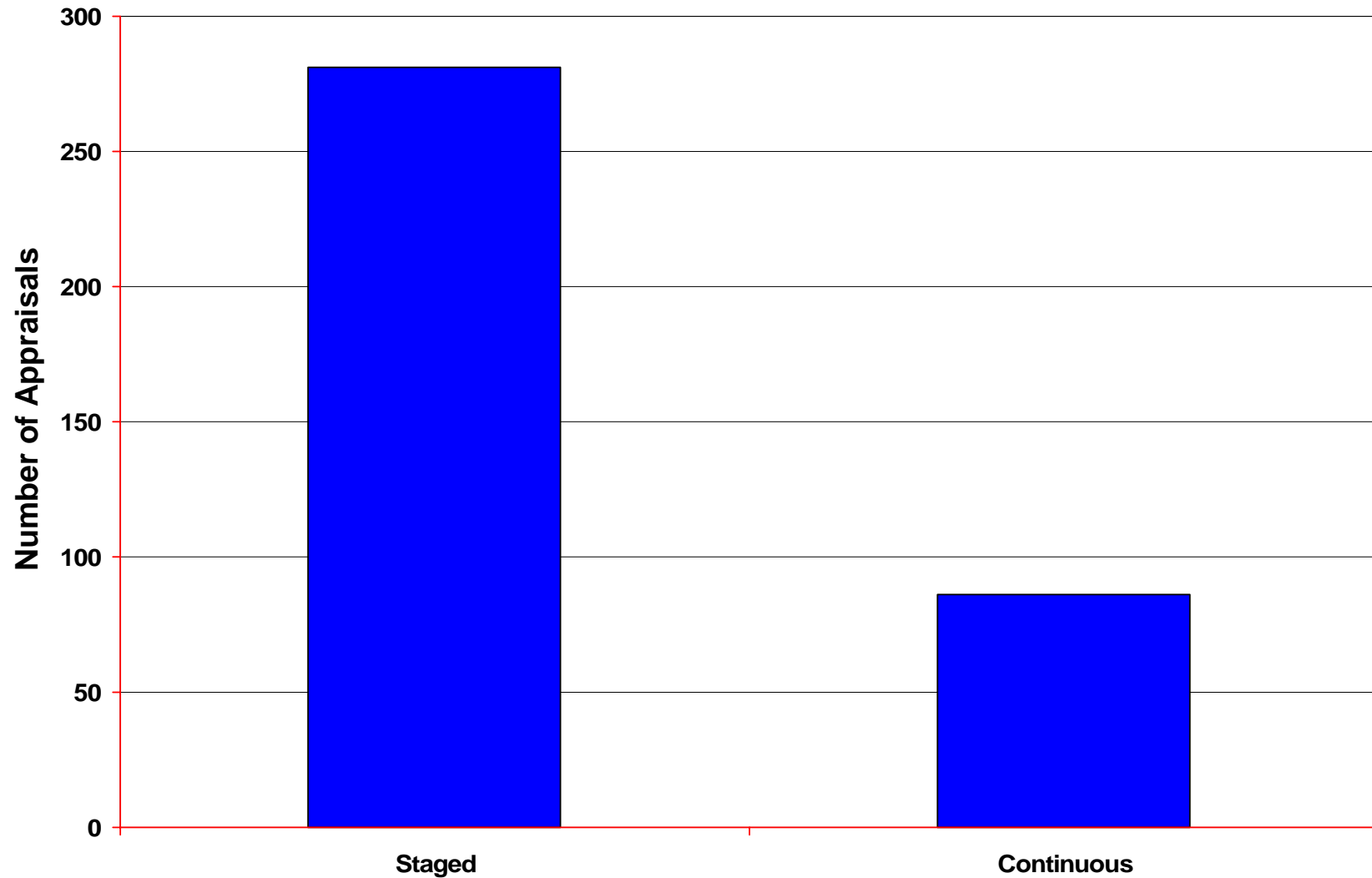
Based on the total number of employees within the area of the organization that was appraised



Based on 285 organizations reporting size data and maturity level rating



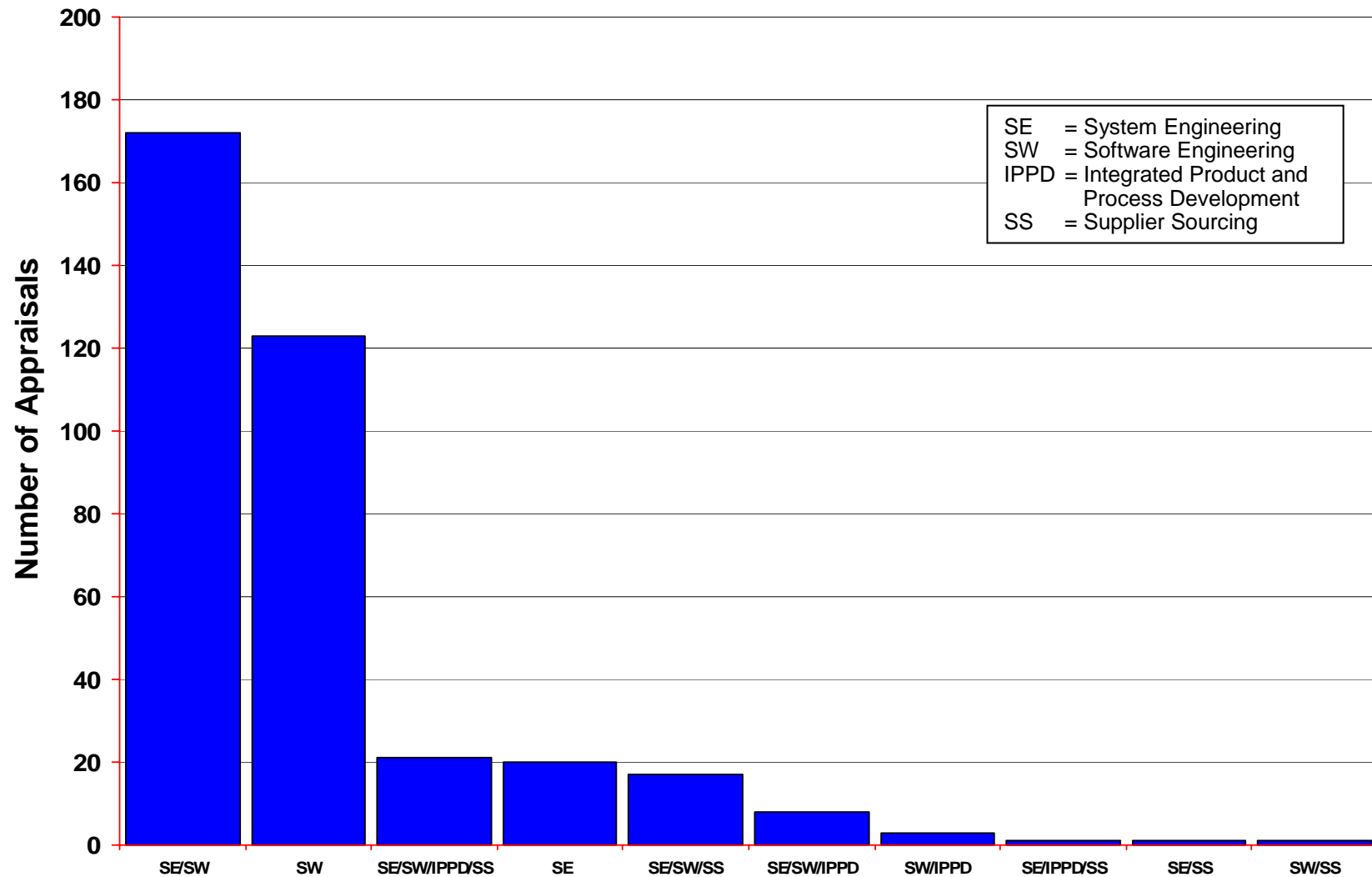
## Model Representations Selected for Appraisals



Based on **367** appraisals



# Disciplines Selected for Appraisals

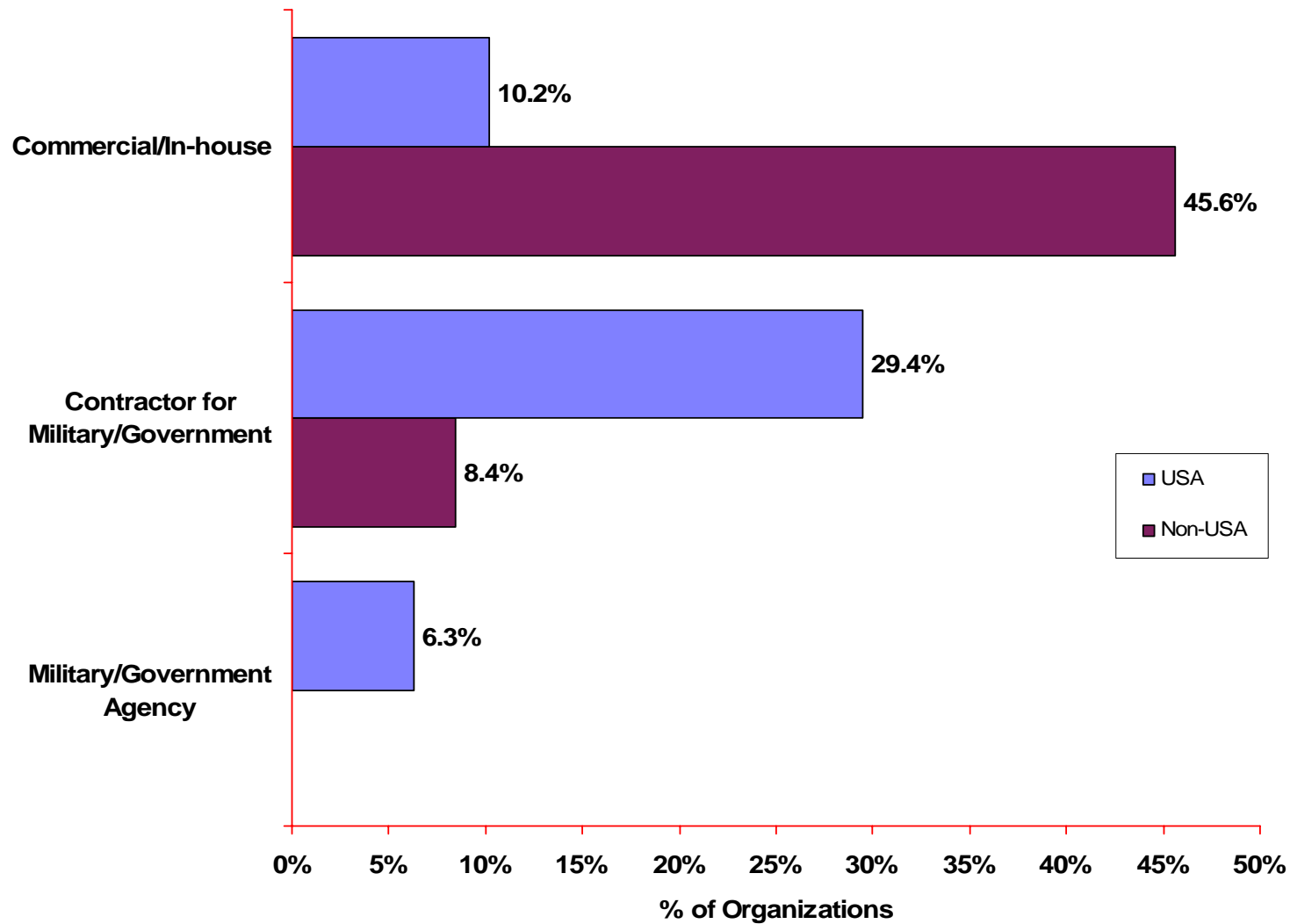


Based on 367 appraisals reporting coverage

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



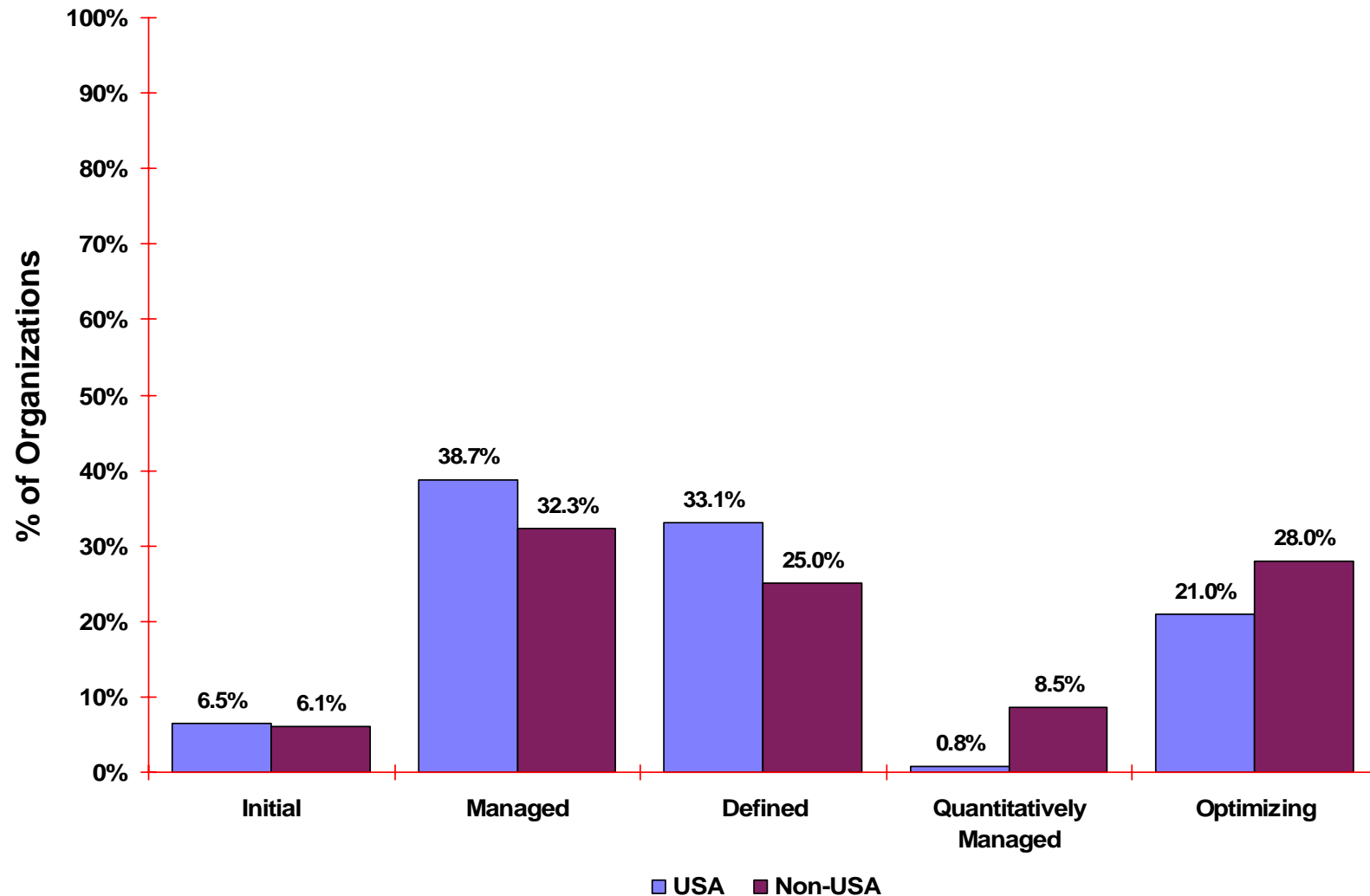
# USA and Non-USA Reporting Organization Categories



Based on 333 organizations



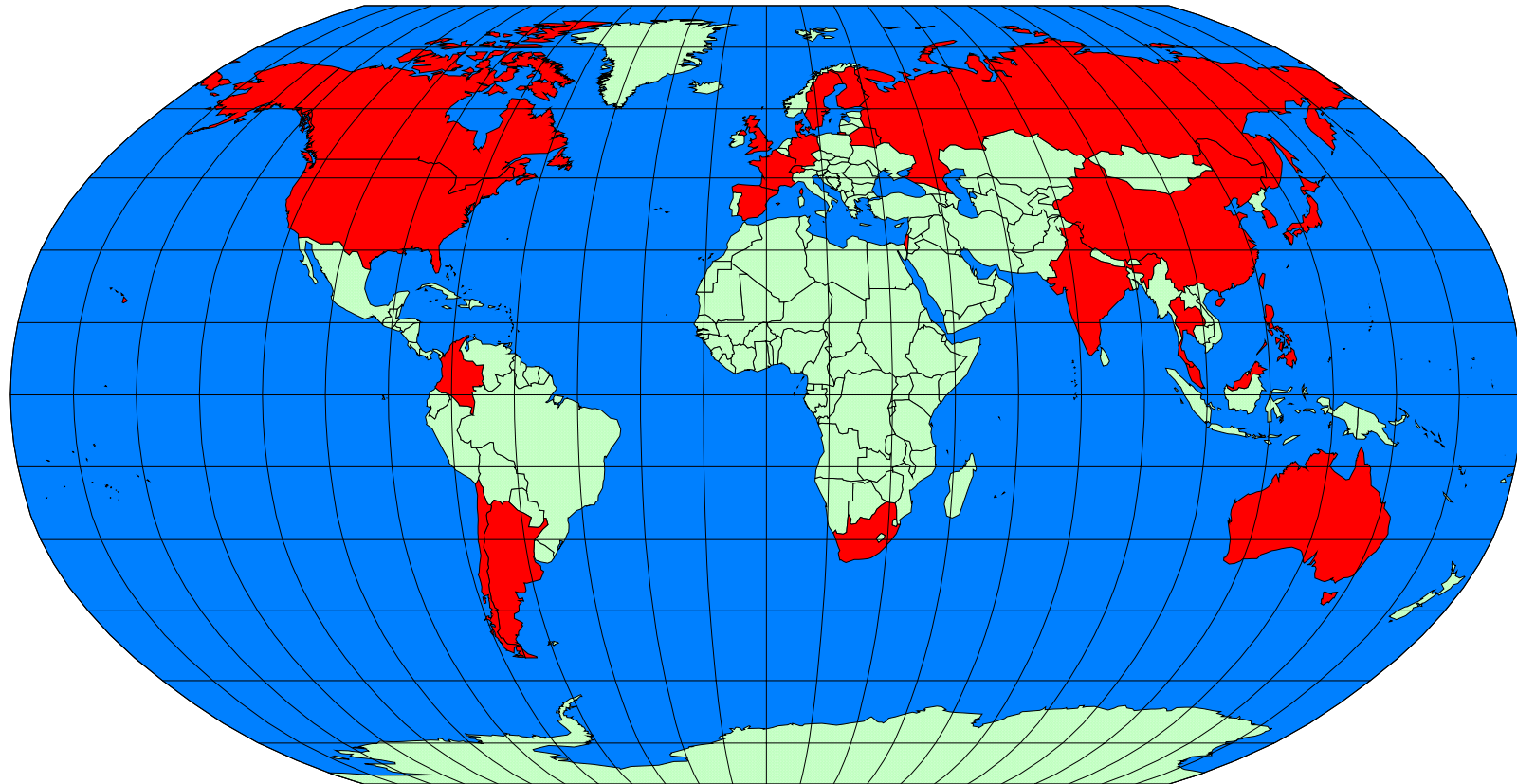
# Maturity Profile by All Reporting USA and Non-USA Organizations



Based on **124** U.S. organizations and **164** Non-USA organizations reporting their maturity level rating



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



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

Red country name: New additions with this reporting



## Number of Appraisals and Maturity Levels Reported to the SEI by Country

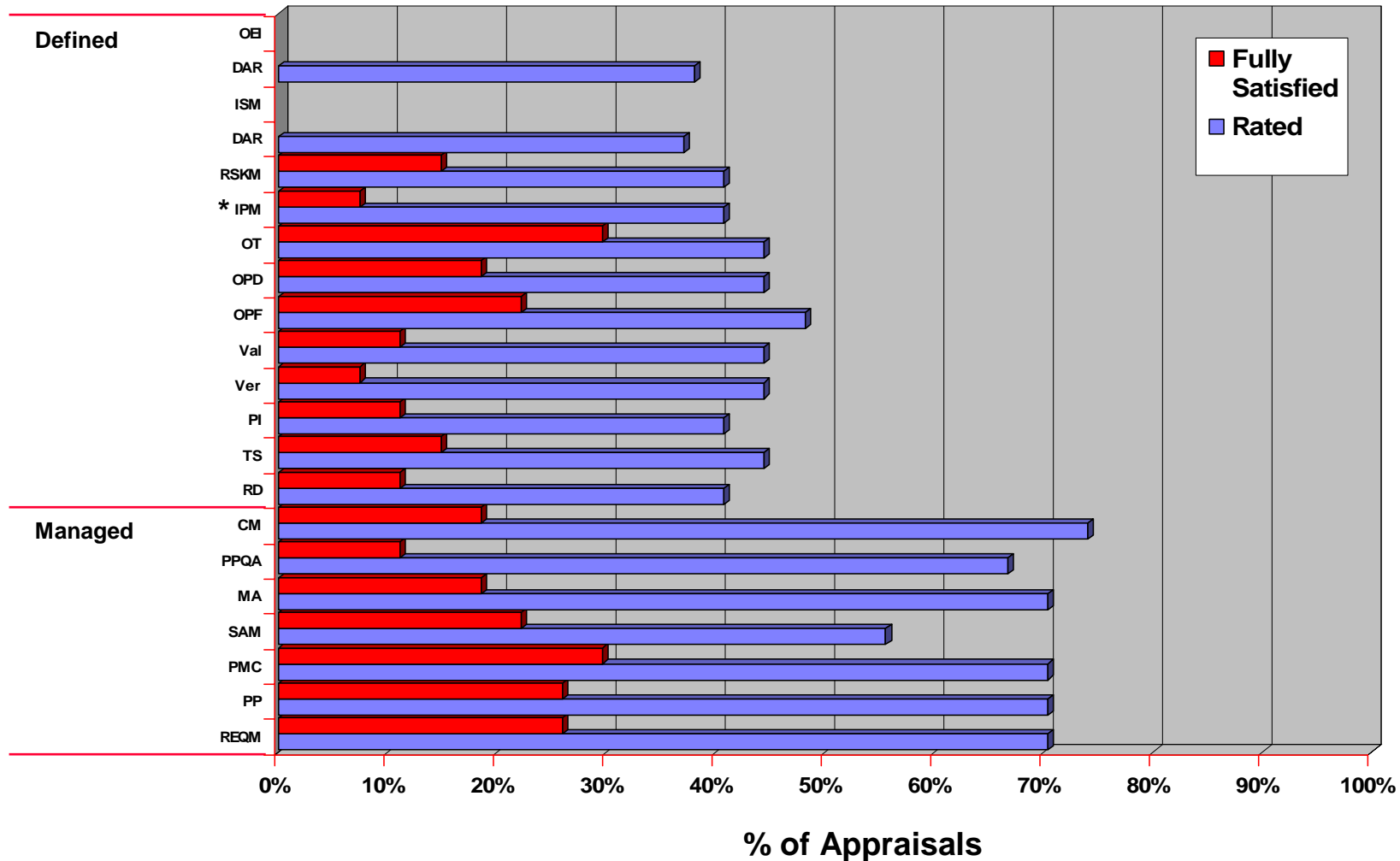
Country	Number of Appraisals	Maturity Level 1 Reported	Maturity Level 2 Reported	Maturity Level 3 Reported	Maturity Level 4 Reported	Maturity Level 5 Reported	Country	Number of Appraisals	Maturity Level 1 Reported	Maturity Level 2 Reported	Maturity Level 3 Reported	Maturity Level 4 Reported	Maturity Level 5 Reported
Argentina	10 or fewer						Japan	54	Yes	Yes	Yes	Yes	Yes
Australia	10 or fewer						Korea, Republic of	10 or fewer					
Belarus	10 or fewer						Malaysia	10 or fewer					
Canada	10 or fewer						Philippines	10 or fewer					
Chile	10 or fewer						Russia	10 or fewer					
China	16	Yes	Yes	Yes	No	Yes	Singapore	10 or fewer					
Colombia	10 or fewer						South Africa	10 or fewer					
Denmark	10 or fewer						Spain	10 or fewer					
Finland	10 or fewer						Sweden	10 or fewer					
France	10 or fewer						Switzerland	10 or fewer					
Germany	10 or fewer						Taiwan	10 or fewer					
Hong Kong	10 or fewer						Thailand	10 or fewer					
India	44	No	Yes	Yes	Yes	Yes	United Kingdom	17	Yes	Yes	Yes	No	No
Israel	10 or fewer						United States	170	Yes	Yes	Yes	Yes	Yes





# Process Area Profiles - 1

## Organizations Appraised at Maturity Level 1



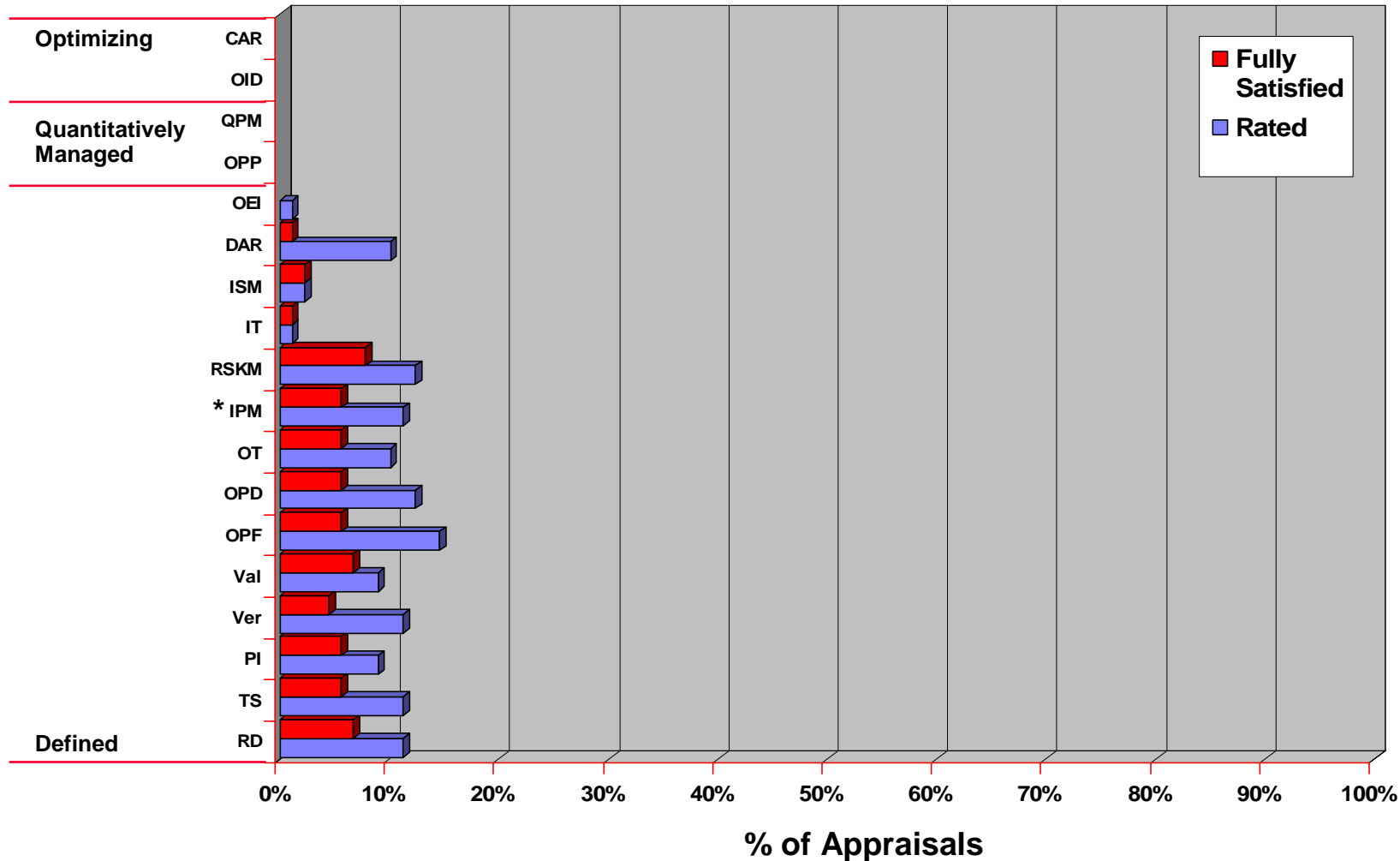
Based on **27** appraisals reporting a maturity level rating

\* None of the 21 appraisals selected the IPPD discipline



# Process Area Profiles - 2

## Organizations Appraised at Maturity Level 2



Based on **89** 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

- 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:

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